STUDY PROGRAMME ACCREDITATION MATERIAL:

TRAFFIC ENGINEERING

DOCTORAL ACADEMIC STUDIES

Novi Sad

2012.

Content

Content

Content

Content

Programme name	Traffic Engineering
Independent higher education institution where the programme is being executed	University of Novi Sad
Higher education institution where the programme is being executed	Faculty of Technical Sciences
Educational-scientific/educational-art field	Technical-Technological Science
Scientific, proffesional or art field	Traffic Engineering
Type of studies	Doctoral Academic Studies
Study scope, expressed in ECTS	180-181
Academic degree, abbreviation	Doctor of Science - Traffic Engineering, Ph.D.Traff.Eng.
Study length	3
Programme implementation starting year	2005
Future course implementation starting year (for new programme)	
Number of students attending this programme	14
Planned number of students to be enrolled in this programme	45
Programme approval date (state the approval issuer)	14.11.2012 - Science Education Council 29.11.2012 - University of Novi Sad Senate
Programme language	Serbian, English
Programme accreditation year	2009
Web address containing programme information	http://www.ftn.uns.ac.rs

Standard 00.   Higher Education Institution Competence for the Implementation of PhD Studies

The Faculty is fully prepared in terms of academic staff, classroom capacity and other facilities for administering doctoral studies in all the fields studied at the Faculty based on indicators related to scientific and research work. The Faculty has a short-term and long-term plan and is accredited as a scientific and research institution, as required by law.

The ability of the Faculty to administer doctoral studies can be indicated by the following criteria:

•the number of Ph.D. and Master theses defended at the higher education institution which are in the area for which the study programme is accredited, in terms of the ratio of the doctoral and master theses and the number of students who have graduated from the programme and the number of professors.

•the ratio between the number of professors and the number of professors involved in scientific and research projects.

•the ratio between publications in the Ministry of Science acclaimed international journals in the last 10 years and the number of professors.

•cooperation with institutions in the country and abroad

•the Faculty employs a number of tenured teachers who have acted as doctoral thesis supervisors.

The capability of the Faculty to administer doctoral studies is obvious from the references which are enclosed with the accreditation material.

Standard 01.   Programme Structure

The Doctoral Study Programme Traffic Engineering in an integral part of doctoral studies organized at the Faculty of Technical Sciences at the University of Novi Sad. Study Programme multidisciplinary is provided for through a great number of optional subjects in the field of postal traffic and telecommunications, traffic control, traffic planning, logistics, transportation and traffic safety. Through optional subjects and the content of doctoral dissertations, individual adaptation to students` needs and their selection within the Traffic Engineering. The outcome of the learning process is the knowledge which enables students to become capable of independent scientific research. The acquired academic degree is a Doctor of Science - Traffic Engineering (Ph.D.).

Doctoral studies in Traffic Engineering last for three years and they are worth at least 180 ECTS. Out of it, 90 ECTS is obtained through examination at the subjects, 30 ECTS is obtained by laying theoretical basis for doctoral dissertation, and 60 ECTS is acquired by elaborating and defending the doctoral dissertation.

Student`s research interest is profiled by selecting teaching subjects which will be studied and taken; and thus, contributing to their in-depth knowledge and understanding of areas (themes) of their doctoral dissertation. Optional subjects are selected from the group of proposed subjects on the study programme. Additionally, students are given the opportunity to choose a certain number of subjects from the set of teaching subjects at doctoral studies at FTN UNS or at some other university in the country or abroad with the mentor` s consent. Prerequisites determined for attending classes for the chosen subject must be fulfilled. Studying at doctoral studies are organized through lectures, research and scientific work, elaboration and defence of doctoral dissertation. Teaching activity for the subjects (compulsory or optional) is group or individual (mentoring) activity. Group classes are held if the subject was chosen by five or more students or if this type of lecturing is necessary to be organized due to the nature (character) of the subject.

Standard 02. Programme Objectives

The purpose of the Study Programme is the education of students capable of high quality and independent scientific research in the field of postal traffic, controlling and planning of traffic, logistics and traffic safety. Doctoral academic studies at the Faculty of Technical Sciences represent an integral part of scientific and research development of young generations in the listed fields. Education during the study programme will enable the development of young researchers for critical evaluation of research work of others and to independently carry out original and scientifically relevant research work in the field of traffic engineering. Staying at universities and institutes abroad, young researchers will become familiar with new tools and procedures in the field of traffic engineering and establish professional contacts necessary for participation in joint projects. Study programme stipulates mentor work with the aim of publishing research results at conferences, domestic and international journals as well as students` participation in scientific and research projects. The Faculty of Technical Sciences defined tasks and goals for educating highly competent personnel in the field of technology and the purpose of the Study Programme of Traffic Engineering is completely in accordance with the objectives and goals of the Faculty of Technical Sciences. Doctoral studies for Traffic Engineering is designed so that it enables acquiring competences which are socially useful and justifiable.

Standard 03.   Programme Goals

The objective of the study programme is to achieve student`s scientific competencies and academic skills in the field of Traffic Engineering. The defined goal includes the development of creative abilities in considering problems and the ability of critical thinking, the development of teamwork skills and the mastering of specific practical skills necessary to perform the profession.

The objective of the study programme is to educate an expert who has sufficient extended knowledge from the different disciplines within Traffic Engineering. Their education is in accordance with contemporary development tendencies in the appropriate disciplines worldwide. The development of students` awareness of the need for a personal contribution to the development of a society in general and involvement in development of traffic sciences and traffic engineering is especially emphasised. In terms of team work, the ability for conducting independent scientific research in the field of traffic engineering and presenting original results to the scientific public is defined.

Standard 04.   Graduates' Competencies

PhD graduates of the academic study programme in Traffic Engineering are competent to conduct research and solve problems in real life practice activities. Competencies include, above all, the development of critical thinking skills, problem analysis capabilities, the synthesis solution, predicting the behaviour of selected solutions with a clear representation of what is good and what is bad by the selected solution.

Qualifications that indicate the completion of doctoral academic studies are gained by students:

•who have demonstrated systematic knowledge and understanding in the field of traffic engineering that complements the knowledge gained at graduate academic studies, being the basis for developing critical thinking and application of knowledge;

•who have mastered the skills and methods of research in the field of traffic engineering;

•who have shown the ability of making concepts, design and application

•who have shown ability to adapt the research process with the necessary level of academic integrity;

•who have performed original research and work, extending the boundaries of knowledge, which is verified by publishing papers in the appropriate scientific journal and by the references in national and international levels;

•who are capable of critical analysis, evaluation and synthesis of new and complex ideas;

•who are capable of knowledge and ideas transfer to their colleagues, wider academic community and society in general

•who are capable of promoting technological, social and cultural progress in the academic and professional environment

   After graduation, PhD programme allows students to have the knowledge, skills, developed abilities and competencies to :

•independently solve practical and theoretical problems and organize and realize developing activities and research in the field of operational research, postal traffic, transportation, logistics, planning and controlling traffic and traffic safety;

•be involved in international scientific projects

•be able to implement the development of new technologies and procedures in the field of civil engineering and to understand and use modern knowledge;

•think critically, work creatively and independently;

•respect the code of ethics and principles of good scientific practice;

•be capable to present scientific research results at scientific conferences and publish in scientific journals, verifying them through patents and new technical solutions;

•contribute to the development of scientific disciplines in science generally.

After this study programme completion, the student obtains the following subject-specific competences:

• thorough knowledge and understanding of the disciplines that are the subject of their involvement;

• ability to solve problems using scientific methods and procedures;

• linking basic knowledge in various fields and their application;

•ability of modern developments in the field of traffic engineering;

•necessary skills and ability in applying information and communication technologies;

Students will be enabled to research and implement new knowledge and technologies in postal traffic, logistics, planning and controlling traffic systems. During their education at the doctoral study programme of Traffic Engineering, students acquire the knowledge to independently perform experiments, process statistic data, as well as formulate and make adequate conclusions. In particular, attention is paid to the development of skills in team work and development of professional ethics.

Acquired competence are verified by scientific papers. Before obtaining the Doctoral Diploma a candidate must publish (or to prove that the papers are accepted for publication) at least two papers of M24-level (former R54-level) and at least one scientific paper of and at least one paper in the SCI listed journal of M21-level (R51a), M22 (R51b), M23 (R52) (according to the categorization of the Ministry of Science).

Standard 05. Curriculum

The curriculum of the Doctoral Academic Study Programme in Traffic Engineering is made to enable students to acquire scientific knowledge in the field of traffic sciences and through theoretical and methodical content, writing seminar papers and research gain knowledge and abilities for independent work in research, analysis and modelling of traffic processes. The structure of the study programme enables the students to choose optional courses which will be worth at least 70% of ECTS credits. During the course of the doctoral academic studies students are encouraged to specialize in the specific field of study they are most interested in. Through optional courses they are able to take further interest in the scientific and research areas studied during the course of their graduate academic studies.

All courses last one semester and are worth a certain number of ECTS credits, one credit comprising approximately 30 hours of a student`s activity.

The curriculum defines every course of the study programme which states the following: the course name, type, the year and semester when the course is lectured, the number of ECTS credits, the name of the lecturer, the course objective with the expected outcome, the knowledge and competences the student will acquire, the prerequisites for taking the course, the course content, the recommended literature, the methods of lecturing, the knowledge tests and evaluation. Each course is designed so that approximately half of the classes are lectures and the other half is scientific and research work. Study and research work is student`s independent work on research area as defined with subject lecturer. The study programme is created in accordance with the European standards concerning the enrolment requirements, the duration of studies, the terms of enrolling into the next year of studies, the acquisition of a diploma and the mode of study.

The curriculum enables students to attend 7 courses during the first three semesters. During the first semester two compulsory courses (Methods of Scientific Research; Selected Chapters in Mathematics) and one optional course are taught. During the second and third semesters (each containing two optional courses) students elect optional courses after consulting their co-mentor, one being available to every student of the doctoral studies of traffic engineering. All optional subjects are awarded with the same number of ETSC.

The research study of the theoretical framework of a doctoral dissertation is completed by passing an exam which proves that the student has acquired the necessary theoretical knowledge in the chosen field of study. Passing this exam enables the student to continue the doctoral studies. The theoretical framework has to be taken as an examination (either written and/or oral), divided into chapters (questions) in at least three courses of the study programme. The list of topics (questions) for passing the exam are provided by the Head of the Doctoral Studies upon student`s request within 14 days upon filing request. The examination is taken before the panel of at least three members appointed by the Head of the Doctoral Studies at FTN as suggested by the Study Programme Quality Committee. Theoretical framework of doctoral dissertation can be taken, on student`s request no sooner than 30 days after passing the final exam, and no later than 12 months after passing the final exam. The doctoral dissertation represents independent scientific work of a student, resulted from knowledge and research within doctoral studies.

Table 5.2 Course specification

Course:			
Course id:	DZ001	**Scientific Research Method**	
Number of ECTS:	5		
Teachers:		Atanacković M. Teodor, Folić J. Radomir	
Course status:		Mandatory	

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
0	0	0	3	0

Precondition courses	None

1. Educational goal:

To enable students for successful writing of scientific papers and doctoral dissertations.

2. Educational outcomes (acquired knowledge):

- Ability of understanding varius scientific metods witch was used in scientific literature
- Ability of successful managing in proffesonal literature
- Ability of successful writing of scientific paper in area of of interests
- Ability of successful creating and ending of doctoral dissertation

3. Course content/structure:

Definition of science. Development of science through history.
Scientific methodology.
General and special scientific methods.
Structure of a scientific paper. Types of scientific results.
Writing and publishing scientific papers.
Writing the doctoral dissertation.
Evaluating scientific results.

4. Teaching methods:

Lectures. Consultations with students. Seminar paper.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	30.00	Oral part of the exam	Yes	70.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Karl Poper	Logika naučnog otkrića	Nolit, Beograd	1973

Table 5.2 Course specification

Course:		
Course id:	DSSB2	Behavioural models in traffic safety
Number of ECTS:	13	
Teachers:		Jovanović M. Dragan, Papić M. Zoran, Papić M. Zoran
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

The acquisition in the field of traffic safety based on analysis of traffic participants behaviour.

2. Educational outcomes (acquired knowledge):

The application of knowledge in the field of traffic accident prevention and prediction.

3. Course content/structure:

Significance of traffic participants behaviour analysis. Theories and models of vehicle drivers and other traffic participants behaviour. Influence of traffic participants behaviour on risk validation. Empirical experiments. Modelling of traffic participants behaviour in the purpose of traffic accident prevention. Prediction of traffic accidents based on traffic participants behaviour analysis. Empirical models in the traffic accident expertise.

4. Teaching methods:

Lectures, practical classes, study work, experimental studies.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	40.00	Oral part of the exam	Yes	60.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Shinar, D.	Traffic safety and human behavior	Elsevier	2007
2,	Evans, L.	Human behavior and traffic safety	Plenum Press, Mitchigan, USA	2007

Table 5.2 Course specification

Course:		
Course id:	DTM02	**Theory of impact**
Number of ECTS:	14	
Teachers:		Grahovac M. Nenad, Spasić T. Dragan, Žigić M. Miodrag
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Professor`s intention is through this course to: - expand terms of classic analytical mechanics to the set of general functions (distributions) as well as to involve differential equations of mechanic systems movement with interrupted right sides (differential inclusions) what is directly applied in problems including collision and dry friction, - understand how mechanic methods can be applied in bio system problem analysis which are more complex and principally less defined than technical problems mainly consisting of simple geometric forms, in order to analyse problems that include vehicle collision and participants injuries.

2. Educational outcomes (acquired knowledge):

Upon completion of this course student acquires knowledge to: - utilize acquired knowledge in engineering disciplines which as tool use non smooth mechanics, and deal with collision analysis, - recognize through models various movements of real systems, effects of various actions (forces and force coupling, regular and impact), analyse friction and energy balance, as well as to simulate forecasting of various models by using computers, - apply acquired knowledge in analysing movement and collision of actual mechanical systems including biological, i.e., to identify, formulate (idealise practical problems by using appropriate mathematical model) and solve problem in the field covered by following content, with special insight to restrains resulting from entopic inequality,- communicate and work with other engineers on the team.

3. Course content/structure:

Elements of collision theory. Derivative in the distribution sense. Distribution model of collision. General Euler-Lagrange equations of second type. Theorem on kinetic energy application on collision. Collision theory of Hertz type – regularization. Zener model. Constrains deriving from Clausius – Duhem inequality. Fremont approach. Herz-Signorini-Moreau law of unilateral contact. Linear complementarity problems. Generated derivative and differential. Different models of force of dry friction. Differential inclusions. Theorem by Phillip. Mechanical systems with forces which are modelled by multi-value functions. Non smooth potentials. Method of wider Lagrange. Application of Gaussian principle. Methods of numerical integration. Moreau algorithm. Human body structure. Mechanical features of biomaterials. Inner forces in human body. Dynamic modelling of human joints with special emphasis on knee and connection neck head. Models for collision analysis with special emphasis on biodynamic response of human body in frontal collision as head response to crash. Air bag models.

4. Teaching methods:

Lectures. Mentor work.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Ch. Glocker	Set valued force laws, Dynamics of non-smooth systems	Springer, Berlin	2001
2,	R. Leine and H. Nijimeijer	Dynamics and bifurcations of nonsmooth mechanical systems	Springer, Berlin	2004
3,	B. Brogliato	Non-smooth mechanics, Springer, London	Springer, London	1999
4,	N. Ayache (ed.)	Computational models for the human body	Elsevier, Amsterdam	2004

Table 5.2 Course specification

Course:		Selected Chapters in Mathematics
Course id:	DZ01M	
Number of ECTS:	12	

Teachers:	Adžić Z. Nevenka, Doroslovački D. Rade, Gilezan K. Silvia, Grbić P. Tatjana, Kostić Z. Marko, Kovačević M. Ilija, Mihailović P. Biljana, Pantović B. Jovanka, Pilipović R. Stevan, Rajković R. Milan, Ralević M. Nebojša, Sladoje Matić I. Nataša, Stojaković M. Mila, Teofanov Đ. Ljiljana, Uzelac S. Zorica
Course status:	Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	3	0

Precondition courses	None

1. Educational goal:

To acquire knowledge which can be used in professional subjects and practical work, develop and solve mathematical models for engineering courses using the knowledge gained through selected chapters in mathematics.

2. Educational outcomes (acquired knowledge):

Student will have been competent enough to develop and solve mathematical models in further professional education.

3. Course content/structure:

Student can choose in consultation with programme supervisor, one of the suggested modules: 1. Numerical Mathematics, 2. Optimization. 3. Pattern Recognition. 4. Partial Differential Equations, 5. Nonlinear Equations. 6. Computational geometry. 7. Elements of Functional Analysis. 8. Combinatorics. 9. Graph Theory.10.Operational Research- Linear Programming. 11. Probability 12. Statistics .13.Stochastic Processes. 14. Vector analysis. 15. Complex Analysis. 16. Linear Algebra. 17. Differential and Difference Equations. 18. Euclidean and Non-Euclidean Geometry. 19. Fractional Calculus,Differential Equations . 20. Operational Research-Quiuing theory. 21. Logic in Computing. 22. Discrete Mathematics. 23. Higher order Logic. 24. Theory of Mobile Processes. 25. Numerical Methods of Linear Algebra. 26. Fuzzy Sets. 27. Economic and Financial Mathematics. 28. Groups and Algebras Li. 29. Formal Languages and Automata Theory. 30. Process Algebras. 31. History of Mathematics. Part of the course is in the form of independent research and study in the field of mathematics. Study and research work is based on primary scientific sources, organization and conduction of experiments and statistical data analysis, numerical simulations, and possible paper in the field of mathematics.

4. Teaching methods:

Lectures. (The student can choose in consultation with supervisor, one or more modules depending on module scope). Consultations. Lectures are organized in combined form. The presentation of the theoretical part is followed by the corresponding examples which contribute to better understanding of the theoretical part. In addition to lectures there are regular consultations. Through research and study work the student will, on the bases of scientific journals and other relevant literature that has been studied independently, develop further understanding of the material covered in lectures. Working with the course teacher the student develops the ability to independently work on a scientific paper.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Alexander Mood,...	Introduction to the theory of statistics	McGraw Hill	2005
2,	Athanasios Papoulis	Probability, random variables and stochastic processes	McGraw Hill	2002
3,	I. Kovačević, N. Ralević	Funkcionalna analiza	FTN (edicija tehničke nauke-udžbenici), Novi Sad	2004
4,	N.Ralević,I.Kovačević	Zbirka rešenih zadataka iz Funkcionalne analize	FTN (edicija tehničke nauke-udžbenici), Novi Sad	2004
5,	M.Stojaković	Slučajni procesi	FTN, Novi Sad	1999
6,	V.Jevremović,J.Mališić	Statističke metode u metorologiji i inženjerstvu	Savezni hidrometorološki zavod, Beograd	2002
7,	Zeidler E.	Nonlinear Functional Analysis and Aplications	Springer-Verlag, New York-Berlin-Heidelberg-Tokyo	1985
8,	Zlobec S., Petrić J	Nelinearno programiranje	Naučna knjiga, Beograd	1989
9,	Dauxois, M. Peyrard	Physics of Solitons	Cambridge University Press, Cambridge, New York	2006
10,	Saaty, T. L	Modern Nonlinear Equations	Dover Publications, Inc., New York	1981
11,	N. Ralević, S.Medić	Matematika 1 - drugi deo	FTN, Novi Sad	2002
12,	Heinz-Otto Peitgen, H. Juergens, D. Saupe	Chaos and Fractals	Springer Verlag, New York	2004

		Literature		
Ord.	Author	Title	Publisher	Year
13,	Mileva Prvanović	Osnovi geometrije	Građevinska knjiga, Beograd	1990

Table 5.2 Course specification

Course:		Logistic systems			
Course id:	DSSO2				
Number of ECTS:	13				
Teachers:		Tanackov J. Ilija, Groznik F. Aleš, Tanackov J. Ilija			
Course status:		Elective			

Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:		Other classes:
5	0	0	4		0

Precondition courses	None

1. Educational goal:

PhD students learn a systematic approach and research of logistics systems and logistics processes, logistics systems modeling, simulation and functional description of their processes, design the optimal configuration for realization of spatial and temporal transformations of matter, energy and information within a logistics system, management and control of logistic systems.

2. Educational outcomes (acquired knowledge):

The acquisition of theoretical and practical knowledge and skills needed for research and analysis of existing logistics systems, determining the position and role of logistics systems in the environment, improvement of existing logistics systems and new logistics system design.

3. Course content/structure:

Elements of the theory of systems that are applied in the analysis of logistics systems (micro, meta, macro, inter, intra, etc.). Classification of logistic system (primary, secondary, tertiary, etc.). Logistics functions. The institutional aspect of the logistics function. Economic and international aspects of logistics systems. Planning, design and optimization of logistics networks. Methods and models of logistics chain configuration. Logistics systems in production, exchange, distribution and consumption (ordering, storage, handling, packaging, transport).

4. Teaching methods:

Lectures. Preparation, presentation and defense of two project tasks. The first: analysis and improvement of the existing logistics system. The second: New logistics system design.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Presentation	Yes	5.00	Oral part of the exam	Yes	50.00
Presentation	Yes	5.00			
Project task	Yes	15.00			
Project task	Yes	25.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Andre Langevin, Diane Riopel	Logistics Systems: Design and Optimization	Springer	2005
2,	Carlos F. Daganzo	Logistics Systems Analysis	Springer	2004
3,	Gianpaolo Ghiani, Gilbert Laporte, Roberto Musmanno	Introduction to Logistics Systems Planning and Control	John Wiley and Sons	2004
4,	Ratko Zelenika	Logistički sustavi	Ekonomski fakultet, Rijeka	2005
5,	Slobodan Zečević	Robni terminali i robno-transportni centri	Saobraćajni fakultet, Beograd	2006

Table 5.2 Course specification

Course:		Selected Chapters in Physics
Course id:	DZ01F	
Number of ECTS:	12	
Teachers:		Budinski-Petković M. Ljuba, Kozmidis-Luburić F. Uranija, Kozmidis-Petrović F. Ana, Satarić V. Miljko, Vučinić-Vasić T. Milica
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	3	0

Precondition courses	None

1. Educational goal:

To acquire the knowledge of physics which is applied in modern engineering.

2. Educational outcomes (acquired knowledge):

The students will have acquired the knowledge which enables them to develop models for solving problems in practical professional work as well as evolvement in science and research work in the corresponding areas.

3. Course content/structure:

Student can choose in consultation with programme supervisor, one of the suggested modules: 1. Lasers, their applications in engineering, 2. Quantum tunnelling effect and applications, 3. Quantum dots, wires and tubes, Applications in nanotechnologies, 4. New materials, amorphous materials, spin glass, 5. Natural and artificial polymers and their application in nanotechnologies, 6. Numerical method of statistics physics, random number generator. Monte Carlo simulation.

4. Teaching methods:

Lectures. (The student can choose in consultation with co-mentor, one or more modules depending on module scope). Consultations. Lectures are organized in combined form. The presentation of the theoretical part is followed by the corresponding examples. In addition to lectures there are regular consultations. Through research and study work the student will, on the bases of scientific journals and other relevant literature that has been studied independently, develop further understanding of the material covered in lectures. Working with the course teacher the student develops the ability to independently work on a scientific paper.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	K. Binder, D.W. Heermann	Monte Carlo Simulation in Statistical Physics	Springer-Verlag	1988

Table 5.2 Course specification

Course:		Optimization of the Goods Transportation Process			
Course id:	SDI6				
Number of ECTS:	13				
Teachers:		Gladović V. Pavle, Krstanoski -. Nikola, Simeunović M. Milan			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:		Other classes:
5	0	0	4		0
Precondition courses		None			

1. Educational goal:

Understanding modelling knowledge in procedures of optimization and transportation systems management.

2. Educational outcomes (acquired knowledge):

Application, improvement and development of model for transportation process optimization.

3. Course content/structure:

Information systems for tracking and management of transportation. Tracking methods of natural and financial results of working in transportation process. Transportation processes modelling. Criteria for exploitation effectiveness of freight vehicles. Functional optimization of freight cars exploitation. Methods of transportation process technological optimization. Economic optimization of freight cars exploitation.

4. Teaching methods:

Lectures, audit practice, elaboration of professional paper and presentation.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Pavle Gladović	Tehnologija drumskog saobraćaja	FTN, Novi Sad	2006
2,	Pavle Gladović, Milan Simeunović	Sistemi javnog autotransporta robe	FTN, Novi Sad	2004
3,	M. Marković	Optimizacija prevoznog procesa u automobilskom transportu	Saobraćajni fakultet u Beogradu	2003
4,	C. S. Kuznjecov	Upravlenie tehničeskoj eksploatacijej automobilej	Transport, Moskva	1990
5,	H. Wagner	Economie des transports	Transpres, Berlin	1979

Table 5.2 Course specification

Course:		Selected chapters from the field of postal traffic organization
Course id:	DSSP2	
Number of ECTS:	13	
Teachers:		Kujačić D. Momčilo, Šarac D. Dragana, Šarac D. Dragana
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Providing students with in depth knowledge (theoretical and practical) in the field of postal network organization

2. Educational outcomes (acquired knowledge):

The ability to successfully implement organizational model.

3. Course content/structure:

The modern forms and models of organization
 Organization of postal services in selected countries
Planning of organization (Mathematical models for selecting the best varieties in planning of organization)
Predicting organizational changes and defining variants of the organization in post

4. Teaching methods:

Part of teaching is done through an independent research in the field of postal traffic. Research work includes active monitoring of the applied model of organizational structure and writing papers in the narrow scientific area in which doctoral dissertation belongs to. Lectures, consultations, study and research.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Kujačić Momčilo	Poštanski saobraćaj	FTN izdavaštvo	2005
2,	Kujačić Momčilo	Primena analitičkog mrežnog procesa u projektovanju organizacije poštanskog saobraćaj	Saobraćajni fakultet Beograd	2002
3,	Vešović Vujadin	Organizacija saobraćajnih preduzeća	Saobraćajni fakultet Beograd	1998
4,	Ackoff RL	Concept of Corporate Planing	Wiley, New York	1970
5,	Bojović N, Kujačić M, Macura D	Organization Design of a Post Office Using Analytic Network Process	Scientific Research and Essays	2010

Table 5.2 Course specification

Course:		Water transport modelling			
Course id:	DSSB1				
Number of ECTS:	13				
Teachers:		Bačkalić M. Todor, Bačkalić M. Todor			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:		Other classes:
5	0	0	4		0
Precondition courses		None			

1. Educational goal:

Acquire of principles of water transport modelling.

2. Educational outcomes (acquired knowledge):

Introduction, analysis and understanding of principles and modelling process in water transport. Ability of analysis of real systems from all of relevant aspects and creation of analytical and simulation models of different sub-system of water transport.

3. Course content/structure:

Importance of modelling and simulation. Analysis of characteristics of sub-systems of water transport. Term of simulation and simulation models creation. Classification of methodological approaches of modelling and simulation in water transport from aspect of application in adequate sub-system. Choosing of modelling method and model granularity. Choosing of simulation language/software. Verification and validation of models. Exploitation and extension of model.

4. Teaching methods:

Lectures: oral presentations and computer presentations. Auditory exercises: oral presentations and computer presentations. Laboratory exercise: introduction to the instruments for measurement of real systems, fieldwork and visits to institutions and companies dealing with the subject matter.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Presentation	Yes	10.00	Oral part of the exam	Yes	50.00
Term paper	Yes	40.00			
Literature					
Ord.	Author	Title		Publisher	Year
1,	D.A. Henscher, K.J. Button	Handbook of Transport Modelling		Elsevier	2008
2,	J. Banks	Handbook of Simulation		John Wiley & Sons	2007
3,	Teodorović, D.	Transportne mreže		Saobraćajni fakultet Beograd	2007

Table 5.2 Course specification

Course:		Selected Chapters of Railway Safety
Course id:	DSSO1	
Number of ECTS:	13	

Teachers:	Tanackov J. Ilija, Tepić Đ. Jovan, Stojić S. Gordan, Tanackov J. Ilija
Course status:	Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Introduce students to current research directions in order to improve railway safety.

2. Educational outcomes (acquired knowledge):

By adopting the course content, students will be able to follow the latest trends in mastering the skills of planning, conducting and managing research and the adoption of basic principles for improving the railway safety.

3. Course content/structure:

Current topics in the field of automation trains, systems for automatic control of trains, risk analysis, prevention and expertise emergencies, reliability of the technical resources, the identification and analysis of indicators and EU policy with regard to railway safety.

4. Teaching methods:

Display solutions of current problems of modern methods and techniques, analysis of railway safety solutions, student study research.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project task	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Silla, A., Veli-Pekka Kallberg, V. P.	The development of railway safety in Finland, Accident Analysis & Prevention, Volume 45, pp. 737-744	ELSEVIER	2012
2,	Weia, Y., Guoa, Y., Donga, D., Lia, D.	Public Places Safety Management Evaluation of Railway Stations, Procedia Engineering, Volume 45, pp. 240–247	ELSEVIER	2012
3,	Beugina, J., Maraisb, J.	Simulation-based evaluation of dependability and safety properties of satellite technologies for railway localization, Transportation Research Part C: Emerging Technologies, Volume 22, pp. 42–57	ELSEVIER	2012
4,	Acharya, A., Sadhu, S., Ghoshal, T. K.	Train localization and parting detection using data fusion, Transportation Research Part C: Emerging Technologies, Volume 19, Issue 1, pp. 75-84	ELSEVIER	2011
5,	Evans, A. W.	Fatal train accidents on Europe's railways: 1980–2009, Accident Analysis & Prevention, Volume 43, Issue 1, pp. 391–401	ELSEVIER	2011
6,	Evans, A. W.	Fatal accidents at railway level crossings in Great Britain 1946–2009, Accident Analysis & Prevention, Volume 43, Issue 5, pp. 1837-1845	ELSEVIER	2011
7,	Jia, C., Xu, W., Wang, H.	Study of Management Information System of Railway Permanent Way Safety Risks and Comprehensive Evaluation, Procedia Engineering, Volume 15, pp. 1293-1297	ELSEVIER	2011
8,	An, M., Chen, Y., Baker, C. J.	A fuzzy reasoning and fuzzy-analytical hierarchy process based approach to the process of railway risk information: A railway risk management system, Information Sciences, Volume 181, Issue 18, pp. 3946-3966	ELSEVIER	2011

Table 5.2 Course specification

Course:		Supply chain management
Course id:	DSSL1	
Number of ECTS:	13	
Teachers:		Stojanović M. Đurđica, Nikoličić S. Svetlana, Stojanović M. Đurđica, Nikoličić S. Svetlana
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Introduction of students with the role and the importance of supply chain management in increasing companies competitiveness. Presentation of conceptual solutions for planning, control and realization of supply chains, as well as basic methods and techniques, which allows proper recognition of customer needs and development of company skills to meet those needs in a timely manner.

2. Educational outcomes (acquired knowledge):

Acquiring the necessary knowledge related to the effective supply chain management through understanding and implementation of wider range of analytical and simulation techniques for solving problems on operational, tactical and strategical level. Development of management skills for managing the complex relationships between links (different business functions) in the supply chain.

3. Course content/structure:

Introduction to supply chain management. Methods of planning supply chains. Push and pull supply chain strategies. Inventory management in the supply chain. Forecasting the demand in the supply chain. Performance and parameters of supply chain. Information flow management in the supply chain. The essence of the relationship between members in the supply chain. Process coordination in the supply chain in order to achieve maximum value from the aspect of consumers. E-business in supply chain. The role and importance of modern information technology in the supply chain.

4. Teaching methods:

Lectures, consultation, project. Knowledge testing: oral exam.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Ronald Ballou	Business Logistics Management	Prentice Hall	1999
2,	Harrison Terry P.	The practice of supply chain management	New York: Springer Science& Business Media, Inc.	2005
3,	Svetlana Nikoličić	Logistika lanaca snabdevanja i informacione tehnologije	Zadužbina Andrejević	2012

Table 5.2 Course specification

Course:			
Course id:	SDI7	Passenger Transport Process Optimization	
Number of ECTS:	13		
Teachers:		Gladović V. Pavle, Krstanoski -. Nikola, Simeunović M. Milan, Simeunović M. Milan	
Course status:		Elective	

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Acquiring knowledge on structure and management of systems and transportation companies (PTC) in public passenger transportation.

2. Educational outcomes (acquired knowledge):

Application, improvement and development of models for optimization of passenger transport process.

3. Course content/structure:

Demands and target function of public passenger transport systems. Function of PTC system. Managing PTC system. Functional characteristics of public passenger transportation system. Optimization models of transportation process in public passenger transportation. Technological optimization methods of transportation process.

4. Teaching methods:

Lectures. Audit practical classes and seminar paper.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Pavle Gladović	Tehnologija drumskog saobraćaja	FTN, Novi Sad	2006
2,	R. Petrović	Specijalne metode u optimizaciji sistema	Tehnička knjiga, Beograd	1987
3,	M. Marković	Optimizacija prevoznog procesa u automobilskom transportu	Saobraćajni fakultet, Beograd	2003

Table 5.2 Course specification

Course:		Logistics outsourcing
Course id:	DSSL6	
Number of ECTS:	13	

Teachers:	Stojanović M. Đurđica, Nikoličić S. Svetlana, Stojanović M. Đurđica
Course status:	Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses

1. Educational goal:

To give an insight into a knowledge on logistics resources design in enterprises and supply chain.

2. Educational outcomes (acquired knowledge):

Students will get a theoretical and practical interdisciplinary knowledge on logistics resource design in enterprises and supply chains.

3. Course content/structure:

Logistics outsourcing (LO) - meaning and importance. Sistematization of theoretical knowledge and research classification. The evolution of theoretical knowledge and praxis in LO. Evolution of logistics providers. Main reasons pro et contra LO. Main social-economic theories used in LO research. Impact factors on logistics provider selection on market. Design of client-provider LO relationships. Externalization of own-asset logistics resources. Decision-making about logistics outsourcing - process, methods, models and techniques.

4. Teaching methods:

A part of lectures assumes an independent research work. The research work includes the systematization of novel knowledge and/or using appropriate methods for solving a practical problem. The research work has to be presented as the working paper. If possible, the research work and the paper should focus on the research question(s) in PhD dissertation. Lectures, consultations, research work.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Stojanović Đurđica	Logistički autsorsing	FTN Novi Sad (u štampi, na recenziji)	2012
2,	Stojanović Đurđica	Oblikovanje transportnih resursa u lancima snabdevanja	FTN, Doktorska disertacija	2009
3,	Stojanović Đ., Nikoličić S., Miličić M.	Transport Fleet Sizing by Using Make and Buy Decision-Making, Economic annals, pp. 77-102	Ekonomski fakultet Univerziteta u Beogradu	2011
4,	Stojanović, Dj., Maslarić, M., Nikoličić, S.	The Relationship Between Collaborative Management And Transport Sourcing In Supply Chains, Developing Sustainable Collaborative Supply Chains, Book of Proceedings of the 12th International Symposium on Logistics (12th ISL), pp. 579-584.	Nottingham University Business School, Hungarian Logistics Association, Budapest	2007
5,	Cakić, Đ., Maslarić, M., Nikoličić, S.	Using the European Intermodal Transport E-marketplace - The Serbian Perspective, International Journal of Strategic Management and Decision Support Systems in Strategic Management, Vol. 1, No. 1, str. 27- 33.	Ekonomski fakultet u Subotici	2008
6,	Aas B., Buvik A., Stojanović Đ.	Outsourcing of logistics activities in a complex supply chain: a case study from the Norwegian oil and gas industry, International Journal of Procurement Management, Vol. 1, No 3, pp. 280-296	Inderscience Publisher	2008
7,	Gajic, V., Cakic, Dj., Mandic, G.	Making the transport outsourcing strategy by transport costs mappping, EUROSIM 04, 5th EUROSIM Congress on Modelling and Simulation, September 06-10, Paris		2004

Table 5.2 Course specification

Course:		
Course id:	SID04	**Current State in the Field**
Number of ECTS:	2	
Teachers:		Atanacković M. Teodor, Katić A. Vladimir, Kulić J. Filip, Vilotić Ž. Dragiša
Course status:		Mandatory

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
0	0	0	2	0

Precondition courses	None

1. Educational goal:

Introducing students to the current research directions and manners in solving problems from the wider study field.

2. Educational outcomes (acquired knowledge):

Knowledge on the current research directions worldwide in the field, based on lectures by prominent professors from the universities in Europe or prominent experts from the well-known companies abroad.

3. Course content/structure:

Contemporary topics in the field of research, presented by prominent professors and experts on lectures on invitation. Students select topics or attend lectures as they wish or as they find the topic interesting.

4. Teaching methods:

Survey on solving contemporary problems by theoretical methods and multimedia presentations.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	30.00	Oral part of the exam	Yes	70.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Razni	Časopisi sa SCI liste	IEEE Publishing, i dr.	2008

Table 5.2 Course specification

Course:		Research and simulation of road traffic flow			
Course id:	DSSK3A				
Number of ECTS:	14				
Teachers:		Basarić B. Valentina, Bogdanović Z. Vuk, Simeunović M. Milan, Bogdanović Z. Vuk			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:		Other classes:
5	0	0	4		0
Precondition courses		None			

1. Educational goal:

Acquisition of knowledge in the field of research and simulation of road traffic flows (flows of passengers, flows of motor vehicles, flows of cycling, flow of pedestrian, etc.).

2. Educational outcomes (acquired knowledge):

Application of acquirements in the field of planning and projecting of transport network, testing of effects of transport policy and creation of sustainable urban systems.

3. Course content/structure:

Significance of research of road traffic flows and formation of a database. Modern the database. Equipment for measuring of the road traffic flows, technical characteristics, possibility of application, accuracy, etc.. Theories and models of the road traffic flows. Methods of sample selection, statistical analysis. Research in real systems and real-time. Practical work on real data and modern software. Calibration of models and testing of alternative solutions using macro-simulation and micro-simulation.

4. Teaching methods:

Lectures, consultations, practical research, independent work of students.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Computer excersise defence	Yes	30.00	Oral part of the exam	Yes	50.00
Term paper	Yes	20.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Bogdanović Vuk, Ljubiša Kuzović	Teorija saobraćajnog toka	Fakultet tehničkih nauka	2010

Table 5.2 Course specification

Course:		
Course id:	DSSK4	Urban planning and development of transport networks
Number of ECTS:	14	
Teachers:		Basarić B. Valentina, Jović J. Jadranka, Simeunović M. Milan, Bogdanović Z. Vuk, Simeunović M. Milan
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Study of correlation of transport policy and policy of land use, urban planning models, traffic demand indicators,application of measures of policy of land use in split models, optimization of transport network and control of traffic demand.

2. Educational outcomes (acquired knowledge):

Application of acquirements in analysis, planning and modeling of transport networks in urban areas, planning and promotion of transit and other transport modes were acceptable to environment. Application of acquirements in other fields that study problems of construction of transport infrastructure and increase of accessibility all urban contents.

3. Course content/structure:

Concept of overall transportation planning and land use. Parameters of land use as indicators of transport demand. Information base. The concept of development of transport network transport of European Union transport (documents, maps). Strategy of development of the transport networks in urban areas. The concept of maintainable urban transport systems. Universal design. Methods of analysis and forecast of traffic, modeling. The methods and criteria for the model selection.

4. Teaching methods:

Lectures, consultations, team work, presentations.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Peter White	Public transport: ITS Planing, menagement and operation	Spon Press is an imprint of the Taylor & Francis Group	2002

Table 5.2 Course specification

Course:		Road Safety Measures			
Course id:	SDI24				
Number of ECTS:	14				
Teachers:		Jovanović M. Dragan, Papić M. Zoran, Jovanović M. Dragan			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:		Other classes:
5	0	0	4		0
Precondition courses		None			

1. Educational goal:

Understanding measures for traffic safety improvement

2. Educational outcomes (acquired knowledge):

Knowledge on type, significance, role and efficiency of traffic safety measures. Optimal application of safety measures.

3. Course content/structure:

Notion of traffic safety measures.
Significance and role of traffic safety measures.
Types of traffic safety measures.
Traffic safety measures effects.
Control and tracking traffic safety measures.

4. Teaching methods:

Teaching process consists of theoretical classes and practical classes including solving various practical problems by using acquired theoretical knowledge. Through research and study work, student studies scientific journals and other relevant literature and individually expands subject content covered in lectures. In cooperation with professor, student is enabled to independently writh a scientific paper.

Knowledge evaluation (maximum 100 points)						
Pre-examination obligations	Mandatory	Points	Final exam		Mandatory	Points
Term paper	Yes	40.00	Oral part of the exam		Yes	60.00
Literature						
Ord.	Author		Title	Publisher		Year
1,	Elvik, R., Vaa, T		The Handbook of Road Safety Measures	Elsevier		2004

Table 5.2 Course specification

Course:	Management of the Processes in Railway Vehicles Exploitation and Maintenance
Course id: SDI25	
Number of ECTS: 14	

Teachers:	Tepić Đ. Jovan, Tepić Đ. Jovan, Tanackov J. Ilija
Course status:	Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Introduction to basic notions relevant to the managing processes of exploitation and maintenance of railway vehicles and traction, and introduction to new technologies and contemporary vehicles.

2. Educational outcomes (acquired knowledge):

Understanding influences on technical parameters of railway vehicles and traction, and managing processes of exploitation and maintenance. Improvement and development of existing systems of managing exploitation and maintenance processes through implementation and application of new technologies. Necessity of implementation of knowledge in the field of the latest solutions of railway vehicle movement and traction theory, and managing processes of exploitation and maintenance which guarantee good basis for successful research and scientific work.

3. Course content/structure:

Division and definition. Equipment. High speed vehicles. Theoretical basis of movement. Diagrams of movement and traction calculations. Methods of traction calculations. Energy consumption in traction processes. Basic terms in exploitation and maintenance processes management systems. Maintenance and vehicle workability, application of new methods and technologies in exploitation and maintenance processes. Determining reliability and availability in systems for exploitation and maintenance processes management. Technical and service documentation. Failure identification and process of failure generation in vehicle. Failure types and repair positions. Impact of exploitation and maintenance processes on the environment. Enforcement of Law on Health and Safety at Work. Risk management and diagnostic methods in exploitation and maintenance. New methods and techniques in failure diagnostics. Reliability and vehicle testing. Dynamometric vehicle. Statistical methods in frequent failure causes analysis. Measurements and measurement accuracy. Contemporary devices and measurement technique. Computer diagnostic systems and new diagnostic technologies in the management of processes in the exploitation and maintenance of railway vehicles and traction.

4. Teaching methods:

Lectures, consultation. Elaboration of individual project assignment and presentation.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Tepić, J.	Šinska vozila	FTN Izdavaštvo, Novi Sad	2007
2,	Tepić, J.	Vuča vozova	FTN Izdavaštvo, Novi Sad	2008
3,	Tepić, J.	Zbirka rešenih zadataka iz šinskih vozila i vuče vozova	FTN Izdavaštvo, Novi Sad	2008
4,	Tepić, J.	Istraživanje ponašanja vučne sile pri prolasku šinskih vozila kroz krivinu	Monografija, Želnid, Beograd	2006
5,	Tepić, J.	Istraživanje uticaja mase i brzine šinskih vozila na vrednost otpora od krivine	Monografija,FTN Izdavaštvo, Novi Sad	2007
6,	Milićević, Z.	Vuča vozova	Želnid, Beograd	2001
7,	Dinić, D.	Metro i sistemi za masovni prevoz putnika	Metrolink, Beograd	1998
8,	Ješić, D.	Merna tehnika	Mašinski fakultet, Banja Luka	2004
9,	-	Pravilnici i uputstva koja se odnose na eksploataciju i održavanje šinskih vozila	--	2009

Table 5.2 Course specification

Course:	Experimental Research in the Mechanics of Railway Vehicle Movement
Course id: SDI26	
Number of ECTS: 14	

Teachers:	Tepić Đ. Jovan, Tepić Đ. Jovan, Tanackov J. Ilija

Course status:	Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Enabling students to acquire knowledge of methods for specific research and measurements, interpret statistical and dynamic data, as well as analyse results from the experiments conducted for the purpose of scientific and development researches in the field of mechanics of railway vehicles movement.

2. Educational outcomes (acquired knowledge):

Acquiring necessary knowledge for defining relevant researching in accordance with project assignment, research methodology development, necessary research organization, decision on the necessary equipment choice, analysing and presenting acquired data by using appropriate software tools, and their application and suggestions for further research in the field of mechanics of railway vehicles movement.

3. Course content/structure:

Introduction to experimental work for the purposes of research and study work and development of relevant parameters in the field of railway vehicle movement. Data sources in mechanics of railway vehicles movement. Basic parameters and other parameters that are researched. Connection between theory and experiments. General principles and research methodology. Measurement methods of relevant parameters. Experimental methods in research and study and developmental work. Developmental, experimental and specific research. Conducting experiments, choice of measurement method (research and measurement equipment) and result processing. Experiment and simulation, and the manner of utilizing them. Software tools in data processing. Displaying measurement results and determining measurement error. New findings and solutions as a result of experimental and research work, their application, new technologies in measurement and research in mechanics of railway vehicles.

4. Teaching methods:

Lectures, consultations. Elaboration of individual project assignment and presentation.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Tepić, J.	Šinska vozila	FTN Izdavaštvo, Novi Sad	2007
2,	Tepić, J.	Vuča vozova	FTN Izdavaštvo, Novi Sad	2008
3,	Tepić, J.	Zbirka rešenih zadataka iz šinskih vozila i vuče vozova	FTN Izdavaštvo, Novi Sad	2008
4,	Tepić, J.	Istraživanje ponašanja vučne sile pri prolasku šinskih vozila kroz krivinu	Monografija, Želnid, Beograd	2006
5,	Tepić, J.	Istraživanje uticaja mase i brzine šinskih vozila na vrednost otpora od krivine	Monografija, FTN Izdavaštvo, Novi Sad	2007
6,	Milićević, Z.	Vuča vozova	Želnid, Beograd	2001
7,	Dinić, D.	Metro i sistemi za masovni prevoz putnika	Metrolink, Beograd	1998
8,	Ješić, D.	Merna tehnika	Mašinski fakultet, Banja Luka	2004
9,	Brezinšćak, M.	Mjerenje i računanje u tehnici i znanosti	Tehnička knjiga, Zagreb	1971

Table 5.2 Course specification

Course:			
Course id:	DSIM9	**E-logistics**	
Number of ECTS:	14		
Teachers:		Groznik F. Aleš, Simić S. Dragan, Simić S. Dragan	
Course status:		Elective	

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	4

Precondition courses	None

1. Educational goal:

Introducing students to fundamental concepts in E-logistics: systems for production resources planning, planning systems for entrepreneurial resources, reserves management and managing supply chains; as well as discussion on the latest trends in e-logistics development.

2. Educational outcomes (acquired knowledge):

Enabling students to solve problems of strategic e-logistics management from the point of the view of business function.

3. Course content/structure:

1. Enterprise Resource Planning (ERP): identification of basic business processes and their influence on every functional field within a company; presentation of current state of ERP systems and their application; technical and technological level of logistic processes. 2. Basic concepts of E-logistics development; 3. Role of the Internet in logistics and management of supply chains; 4. Logistic services at on-line market. 5. Warehouse management systems.

4. Teaching methods:

Lectures, seminar paper, consultations

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	40.00	Test	Yes	60.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	G. Knolmayer, P. Mertens, A. Zeier	Supply Chain Management Based on SAP Systems	Springer	2002
2,	J.J. Coyle, E.J. Bardi, C.J. Langley	Management of Business Logistics: A Supply Chain Perspectives	South-Western College	2002
3,	D.L. Bayles	E-Commerce Logistics & Fulfillment	Prentice Hall	2001
4,	Ronald Ballou	Business Logistics Management	Prentice Hall	1999
5,	Frank Straube	E – Logistik	Springer-Verlag	2004

Table 5.2 Course specification

Course:		
Course id:	DSSL4	Logistics information systems
Number of ECTS:	14	
Teachers:		Groznik F. Aleš, Simić S. Dragan, Simić S. Dragan
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

The aim of the course is for students to master the current and advanced concepts and technical, technological aspects in logistics information systems (LIS).

2. Educational outcomes (acquired knowledge):

Enabling students to solve problems of strategic logistics management from logistics information system the point of the view of business function.

3. Course content/structure:

Logistics and information flow. Information and communication technology in logistics. Logistics information system (LIS) concepts. LIS and Enterprises Resources Planning. Computer mediated (extranet, intranet) based on Internet or Web technology: transaction systems, operational planning systems, and control systems (mobile communication, Barcode-scanning, Positioning System). Business-to-Business (B2B) e-marketplaces, for the global procurement and Business-to-Consumer (B2C) on-line sales to consumers. The electronic transfer of structure data - Electronic Data Interchange.

4. Teaching methods:

Lectures. Preparation, presentation and defense of two seminar papers. The first paper: Analysis and improvement of the existing logistics information system. The second paper: Design of a new logistics information system.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	20.00	Oral part of the exam	Yes	50.00
Term paper	Yes	30.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Berhard Tilanus	Information Systems in Logistics and Transportation	Pergamon	1997
2,	Frank Straube	e – Logistik	Springer-Verlag	2004
3,	David F. Ross	Introduction to e-Supply Chain Management	St. Lucic Press	2003
4,	John J. Coyle, Edward J. Bardi, C. John Langley Jr	Management of Business Logistics (7 edition)	South-Western	2003
5,	Paul Beynon-Davies	Business Information Systems	Palgrave Macmillan	2009
6,	Grant Norris, James R. Hurley, Kenneth M. Hartley, John R. Dunleavy, John D. Balls	E-Business and ERP: Transforming the Enterprise	John Wiley & Sons	2000
7,	A.O. Somuyiwa and J.O. Adewoye	Managing Logistics Information System: Theoretical Underpinning	Asian Journal of Business Management	2010

Table 5.2 Course specification

Course:		Application of Informational Technologies and Measurements in Traffic Engineering			
Course id:	DSIM3				
Number of ECTS:	14				
Teachers:		Lep J. Marjan, Rebolj S. Danijel, Šraml M. Matjaž			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:		Other classes:
5	0	0	4		0
Precondition courses		None			

1. Educational goal:

Introducing technical and functional possibilities, abilities and capacities of modern information and telecommunication technologies in solving problems in the field of traffic engineering.

2. Educational outcomes (acquired knowledge):

Developing abilities of recognizing benefits of information and telemeter technologies and utilization of adopted knowledge on considered technologies in solving complex traffic planning problems and management, control and protection of environment.

3. Course content/structure:

Overview of the traffic information state (passenger and traffic information, managing public transport systems, "freight and fleet management", transportation demands management, traffic infrastructure management, overview of intelligent transportation systems (ITS) – architecture, approaches and standards. Selected chapters in ITS are: - data models and data bases in traffic, geocoding of traffic data; - technologies for detection, classification (ABC), identification (AVI), navigation, electronic system of road toll charging (ETC), GPS/GSM surveillance and navigation; - technologies of intelligent transport systems applied in vehicles; - role of contemporary technological solutions in vehicles within ITS; case studies – integrated systems.

4. Teaching methods:

Lecture, seminar paper, consultation

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	60.00	Oral part of the exam	Yes	40.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	Department of Transportation, Office of Operations US	System Engineering for Intelligent Transportation Systems		US DoT, Washington, DC	2007
2,	Department of Transportation	Traffic detector Handbook		US DoT, Washington DC	2006
3,	The Royal Society for the Prevention of Accidents	Cars in the future		ROSPA	2007

Table 5.2 Course specification

Course:		Selected chapters from the field of process management in postal traffic
Course id:	DSSP4	
Number of ECTS:	14	

Teachers:	Šarac D. Dragana, Kujačić D. Momčilo
Course status:	Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Providing students with in depth knowledge (theoretical and practical) in the field of process management in postal traffic.

2. Educational outcomes (acquired knowledge):

The ability of successful application of methods for process management in postal traffic.

3. Course content/structure:

The main characteristics of business processes in postal traffic. Managing business processes in postal traffic. The process of managing a postal company Process management in foreign postal companies Managing the process of transfer of postal items in stages of receiving, manipulation, transport, delivery The methodologies of reengineering business processes in the provision of postal services Re-engineering of business processes and risk management in the provision of postal services

4. Teaching methods:

Part of teaching is done through an independent research in the field of process management in postal traffic. Research work includes active monitoring of the applied methods and models and writing papers in the narrow scientific area in which doctoral dissertation belongs to. Lectures. Consultations. Study and Research.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Homework	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Vukšić V, Harbaus T, Kovačić A	Upravljanje poslovnim procesima	Školska knjiga	2008
2,	Kujačić M	Poštanske usluge i mreža	FTN izdavaštvo	2010
3,	Časopis	Postal Technology International	UKIP Media&Events	2011

Table 5.2 Course specification

Course:		Selected chapters from the field of postal services market research
Course id:	DSSP3	
Number of ECTS:	14	
Teachers:		Kujačić D. Momčilo, Šarac D. Dragana, Kujačić D. Momčilo
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Providing students with in depth knowledge (theoretical and practical) in the field of postal services market research.

2. Educational outcomes (acquired knowledge):

The ability of successful application of methods for postal services market research, and managing the demand for postal services.

3. Course content/structure:

The process of market research (problem definition and research objectives, determine the data sources and types of research, the establishment of methods and forms for data collection, determination of sample types and primary data collection, data analysis and interpretation of results, preparation of reports).
Forecasts in postal traffic
Direct Marketing
Key Account Marketing And Management (Management of key accounts in the post)

4. Teaching methods:

Part of teaching is done through an independent research in the field of postal services market research. Research work includes active monitoring of the applied methods of market analisys and writing papers in the narrow scientific area in which doctoral dissertation belongs to.
Lectures. Consultations. Study and Research.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Homework	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Kujačić Momčilo, Peković Obrad	Upravljanje ključnim kupcima u pošti	Saobraćajni fakultet	2007
2,	Kujačić Momčilo	Poštanski saobraćaj	FTN izdavaštvo - Novi Sad	2005
3,	Kujačić Momčilo	Poštanske usluge i mreža	FTN izdavaštvo	2010
4,	Časopis	Postal Technology International	UKIP Madia & Events	2012
5,	Kotler P, Keller KL	Upravljanje marketingom	Mate	2007
6,	Ožegović S, Šarac D	Exploring the possibilities of application of the modified multiphase strategic model for key account management in postal services	AJBM	2012

Table 5.2 Course specification

Course:		Warehause and storage
Course id:	DSSL3	
Number of ECTS:	14	

Teachers:	Simić S. Dragan, Tanackov J. Ilija, Simić S. Dragan
Course status:	Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

The aim of the course is for students to master the current and advanced technical, technological and logistic concepts of warehouses and storage concepts.

2. Educational outcomes (acquired knowledge):

Acquiring theoretical knowledge of external storage locations when it comes to site selection and warehouse design, as well as practical knowledge of internal tasks related to the determination of the role and tasks of the storage process in the procurement, manufacturing and distribution, in receipt operations, storage, processing, transfer and shipping goods from warehouses. Acceptance, in general, of the importance of warehousing in logistics.

3. Course content/structure:

Anthropological dimension and evolution of storage process. The concept of storage processes. Principles of storage. Selection of warehouse location and p-hub problem. Warehouse design, basic principles. Storage technologies. Reloading equipment in stock. Storage capacities. Storage security. Logistics system and storage. Information systems for warehouse management. Motives for forming stocks, deterministic and stochastic inventory management, basic principles.

4. Teaching methods:

Lectures. Preparation, presentation and defense of two seminar papers. The first paper: Analysis and improvement of the existing storage system. The second paper: Design of a new storage system.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	25.00	Oral part of the exam	Yes	50.00
Term paper	Yes	25.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Slobodan Vukićević	Skladišta	PREVING	1994
2,	Mulcahy, D.E., Sydow, J.	A supply chain logistics program for warehouse management, 9th edition	Boston, McGraw-Hill/Irwin	2008
3,	Gwynne Richards	Warehouse Management: A Complete Guide to Improving Efficiency and Minimizing Costs in the Modern Warehouse	Chartered institute for logistics and Transport	2011
4,	Min, H.	Application of a decision support system to strategic warehousing decisions	International Journal of Physical Distribution & Logistics Management, Vol. 39, No. 4, pp. 270-281	2009
5,	Mason, S. J., Ribera, P. M., Farris, J. A., Kirk, R. G.,	Integrating the warehousing and transportation functions of the supply chain	Transportation Research Part E, Vol. 39, pp. 141-159	2003
6,	Bozer, Y.A., Cho, M.	Throughput performance of automated storage/retrieval systems under stochastic demand, IIE Transactions 37(4), 367-378, 2005.	IIE Transactions 37(4), 367-378	2005

Table 5.2 Course specification

Course:		Preparation for the Application of Doctoral Dissertation Topic			
Course id:	SID05				
Number of ECTS:	2				
Teachers:					
Course status:	Mandatory				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:		Other classes:
0	0	0	2		0
Precondition courses		None			

1. Educational goal:

Overview of situation in the area of the proposed topic for doctoral dissertation based on the scientific literature analysis – books, monographs, papers in referential journals, papers from conference proceedings, available documentation at websites, etc. The objective is to overview the possibilities of the thesis and scientific potential of the topic.

2. Educational outcomes (acquired knowledge):

Study on the potentials of the proposed doctoral dissertation topic, i.e. the systematized knowledge in the area of the research topic for doctoral dissertation, as well as clear directions in further research on the topic.

3. Course content/structure:

Defining the wider area of the doctoral dissertation topic and key motives for research. Overview of literature on the basis of available scientific books, monographs, papers in referential journals, papers from conference proceedings, available documentation at websites, etc. Study on the potentials of the proposed doctoral dissertation topic.

4. Teaching methods:

Teaching is performed as tutorials.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	70.00	Oral part of the exam	Yes	30.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	Priznati naučnici i stručnjaci iz oblasti teme Dr teze	Razna naučna dela			sve

Table 5.2 Course specification

Course:			
Course id:	DSSK6	Maintainable urban transport systems	
Number of ECTS:	14		
Teachers:		Basarić B. Valentina, Gladović V. Pavle, Bogdanović Z. Vuk, Simeunović M. Milan, Simeunović M. Milan	
Course status:		Elective	

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

The main objective of the subject is that students get knowledge about modern methods of control of urban transport systems under conditions strict environmental, social and economic environment requires.

2. Educational outcomes (acquired knowledge):

Mastery of knowledge in maintainable transport systems fields. Application of acquirements in traffic planning area, development of transport network and traffic control.

3. Course content/structure:

1. Introduction 2. Concept of maintainable development 3. Policy and strategy of the European Union in the field of maintainable transport systems in urban areas. 4. Environmental and economic criteria for maintainable transportation systems in urban areas. 5. Modern approach to the management and creating of development strategy of transportation systems. 6. Universal design. 7.Studies of case.

4. Teaching methods:

Lectures, consultations, independent work of students.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Vukan Vučić	Urban Transit Operations, Planing and Economics	John Wiley & Sons, Inc., Hoboken, New Jersy	2005
2,	Peter White	Public transport: ITS planing, menagement and operation	Spon Press uns an imprint of the Tazlor & Francis Group	2002

Table 5.2 Course specification

Course:		Traffic Safety Management			
Course id:	SDI23				
Number of ECTS:	14				
Teachers:		Jovanović M. Dragan, Jovanović M. Dragan			
Course status:		Elective			

Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:		Other classes:
5	0	0	4		0

Precondition courses	None

1. Educational goal:

Understanding the traffic safety management process.

2. Educational outcomes (acquired knowledge):

Understanding influential elements on efficiency of traffic safety management process. Ability to develop traffic system at different organizational levels from the perspective of traffic safety management.

3. Course content/structure:

The notion of traffic safety management. Process of traffic safety management. Basic elements of management process. Organization of traffic safety. Strategic document of traffic safety. Information system of traffic safety. Working method. Traffic safety measurements.

4. Teaching methods:

Teaching process consists of theoretical lectures and practical classes which include solving of various practical problems by utilizing acquired theoretical knowledge. Through research and study programme, student studies scientific journals and other relevant literature and independently expands subject content covered in lectures. In collaboration with professor, student is enabled to independently writes scientific paper.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	40.00	Oral part of the exam	Yes	60.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	-	Safety on roads: what`s the vision?	OECD	2002
2,	-	Towards zero: ambitious road safety targets and the safe system approach	OECD	2008

Table 5.2 Course specification

Course:		Suustainable safe road design
Course id:	DSSK6S	
Number of ECTS:	14	
Teachers:		Tollazzi B. Tomaž, Kostić I. Svetozar, Tollazzi B. Tomaž, Kostić I. Svetozar
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

•To provide candidates with an understanding of the system driver - vehicle - environment, human psycho-physical properties, the choice of driving speed, orientation and understanding, understanding of the causes of traffic accidents.
•To provide candidates with an understanding of the sustainable safe road design
•To demonstrate how sustainable safe road design should be undertaken
•To provide candidates with the tools to undertake sustainable safe road design
•To provide an examples of previous SSRD undertaken in other countries

2. Educational outcomes (acquired knowledge):

Understanding the system driver - vehicle - environment, human psycho-physical properties, the choice of driving speed, orientation and understanding, understanding of the causes of traffic accidents.
Understanding the concept of sustainable safe road design.

3. Course content/structure:

MODULE 1: HUMAN BEHAVIOUR
1. Human – environment – vehicle system
2. Incident and Accident
3. Accident reasons
4. Random nature of accidents
5. Accident analysis

MODULE 2: SUSTAINABLE SAFE ROAD DESIGN
1SUSTAINABLE SAFE ROAD DESIGN: THEORY
•Safety concept
•Safety principles
•Road functions
•Recognizable road categories
•Road categories
•Network classification
•Capacity

2SUSTAINABLE SAFE ROAD DESIGN: CROSS SECTION
•Cross section
•Intermediate cross sections
•Design of roadside
•Restraint systems

3SUSTAINABLE SAFE ROAD DESIGN: JUNCTIONS
•General requirements
•Roundabout
•Priority junctions
•Priority junctions with traffic lights

4SUSTAINABLE SAFE ROAD DESIGN: ALIGNMENT
•Introduction
•Sight distance
•Horizontal alignment
•Transition curves
•Super elevation
•Vertical alignment
•Composed alignment

5SUSTAINABLE SAFE ROAD DESIGN: LINEAR VILLAGES
•Traffic calming
•Problems encountered linear villages
•Problem analysis
•Goals

•Solutions

6SUSTAINABLE SAFE ROAD DESIGN: PEDESTRIAN CROSSING
•The problem
•Causes / origins
•Objectives
•Solutions
•Give way crossings
•Split level crossings

7   SUSTAINABLE SAFE ROAD DESIGN: CYCLISTS
•General requirements
•Categorisation
•Horizontal alignment
•Cross sections
•Vertical alignment
•Crossings
•Parking places
•Pavement

4. Teaching methods:

At the end of each module: At the end of each module, student completes a short test, which covers the teaching material of that module.
At the end of teamwork: At the end of teamwork, team completed checklists and prepare a final report.

Oral presentations supportet by Power point and case studies of good and bad practice (in teams).
Passing the course means that the following conditions are met:
-knowledge is demonstrated on ongoing verifications
-knowledge is demonstrated at the final hearing.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Oral part of the exam	Yes	50.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	EU	Directive 2008/96/EC – Road Infrastructure Safety Management (2008)			2008
2,	R.Elvik et al.	Accident Prediction Models and Road Safety Impact Assessments: Results of the Pilot Studies – RI-SWOV-WP2-R4-Results (2007)			2007
3,	Reurings et al.	Accident Prediction Models and Road Safety Impact Assessments – a state of the art study – RI-SWOV-WP2-R1-State_of_the_Art (2008)			2008
4,	Kononov, Allery	Explicit Consideration of Safety in Transportation Planning and Project Scoping (2005)			2005
5,	Kononov et al.	Safety Conscious Planning – Corridor Level Application and a Review of the Case History – Kononov et al (2005)			2005
6,	Falco, Proctor, Gonzales	Euro-Audits			2007
7,	ETSC	Road Safety Audit and Impact Assessment			1997
8,	Proctor et al.	Institute of Highways and Transportation – Road Safety Audit			2008
9,	Nielsen, Mathiasen	Road Safety Audit in Practise			2003
10,	Matena et al.	RIPCORD-ISEREST Road Safety Audit – Best Practise Guidelines, Qualification for Auditors and 'Programming' – RI-WP4-D4			2008

Table 5.2 Course specification

Course:		Optimization Methods and Technology Capacity in Rail Transport
Course id:	DSSO5	
Number of ECTS:	14	

Teachers:	Stojić S. Gordan, Tanackov J. Ilija, Tepić Đ. Jovan, Stojić S. Gordan, Tanackov J. Ilija
Course status:	Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Introduce students to current research directions and ways of solving problems of optimization technology and sizing capacity in rail transport.

2. Educational outcomes (acquired knowledge):

By adopting the course content, students will be able to follow the latest trends in mastering the skills of planning , conducting and managing research and design optimization models in the field of technology and sizing capacity in rail transport.

3. Course content/structure:

Current topics in the field of optimization technology of railway stations, dimensioning of cellular capacity and train terminals, research to increase the line capacity (throughput and transport capacity) and the planning and regulation of rail transport.

4. Teaching methods:

View current problems solutions with theoretical methods, analysis methods and optimization solutions selected in the published literature, student study research.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project task	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Salido, M. A., Barber, F., Ingolotti, L.	Robustness for a single railway line: Analytical and simulation methods, Expert Systems with Applications, Volume 39, Issue 18, pp. 13305–13327	ELSEVIER	2012
2,	Kontaxi, E., Riccia, S.	Railway Capacity Handbook: A Systematic Approach to Methodologies, Procedia - Social and Behavioral Sciences, Volume 48, pp. 2689–2696	ELSEVIER	2012
3,	Beugina, J., Maraisb, J.	Simulation-based evaluation of dependability and safety properties of satellite technologies for railway localization, Transportation Research Part C: Emerging Technologies, Volume 22, pp 42–57	ELSEVIER	2012
4,	Dicembre, A., Ricci, S.	Railway traffic on high density urban corridors: Capacity, signalling and timetable, Journal of Rail Transport Planning & Management, Volume 1, Issue 2, pp 59–68	ELSEVIER	2011
5,	Harrod, S.	Capacity factors of a mixed speed railway network, Transportation Research Part E: Logistics and Transportation Review, Volume 45, Issue 5, pp. 830–841	ELSEVIER	2009
6,	Abril, M., Barber, F., Ingolotti, L., Salido, M. A., Tormos, P., Lova, A.	An Assessment of Railway Capacity, Transportation Research Part E 44, pp. 774–806	ELSEVIER	2008
7,	Teodorović, D.	Swarm intelligence systems for transportation engineering: Principles and applications, Transportation Research Part C: Emerging Technologies, Volume 16, Issue 6, pp. 651-667	ELSEVIER	2008
8,	Kaakai, F., Hayat, S., El Moudni, A.	A hybrid Petri nets-based simulation model for evaluating the design of railway transit stations, Simulation Modelling Practice and Theory 15, pp. 935–969	ELSEVIER	2007
9,	Burdett, R.L., Kozan, E.	Techniques for absolute capacity determination in railways, Transportation Research Part B: Methodological, Volume 40, Issue 8, pp. 616–632	ELSEVIER	2006

Table 5.2 Course specification

Course:		Traffic management on inland waterways			
Course id:	DSSB6				
Number of ECTS:	14				
Teachers:		Bačkalić M. Todor, Bačkalić M. Todor			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:		Other classes:
5	0	0	4		0
Precondition courses		None			

1. Educational goal:

Learning about principles and methods of organization and management of traffic and transport on inland waterways.

2. Educational outcomes (acquired knowledge):

Introduction, analysis and understanding of principles and methods of traffic management in water transport. Ability of analysis of real systems from all of relevant aspects and creation of models for management and control of traffic and transport on inland waterways.

3. Course content/structure:

Importance of planning and management in water transport. Analysis of characteristics of sub-systems of water transport. Management and control in water transport. Decision making in water transport. Classification of methodological approaches in planning, decision making and control of processes in water transport, from aspect of application in appropriate sub-system. Evaluation of solutions and choosing of control decision. Development of models for support in planning, decision making and control in water transport.

4. Teaching methods:

Lectures: oral presentations and computer presentations. Auditory exercises: oral presentations and computer presentations. Laboratory exercise: introduction to the instruments for measurement of real systems, fieldwork and visits to institutions and companies dealing with the subject matter.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Presentation	Yes	10.00	Oral part of the exam	Yes	50.00
Term paper	Yes	40.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Mundy, R, Campbell, J. et al.	Management Systems for Inland Waterway Traffic Control	University of Missouri – St. Luis	2005
2,	Sinha, K C. Lab, S.	Transportation Decision Making: Principles of Project Evaluation and Programming	John Wiley & Sons	2007
3,	Radmilović, Z.	Transport na unutrašnjim plovnim putevima	Saobraćajni fakultet Beograd	2007
4,	Teodorović, D., Vukadinović, K.	Traffic control and transport planning: a fuzzy sets and neural networks approach	Springer	1998

Table 5.2 Course specification

Course:		Sustainable Logistics			
Course id:	DSSL5				
Number of ECTS:	14				
Teachers:		Stojanović M. Đurđica, Nikoličić S. Svetlana, Stojanović M. Đurđica			
Course status:		Elective			

Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:		Other classes:
5	0	0	4		0

Precondition courses

1. Educational goal:

To give an insight into advanced knowledge on a role, importance and impact of logistics on environment, as well as on characteristics of reverse flows in extended supply chains

2. Educational outcomes (acquired knowledge):

Students will obtain an insight into the advanced knowledge on environmental aspects in logistics, as well as on characteristics of reverse flows in extended supply chains. They will be able to use the common methods in identification and quantification of impact of logistics systems on environment.

3. Course content/structure:

Sustainable supply chains, sustainability criteria. Logistics processes design in sustainable supply chains. Sustainable development of city logistics. Design of logistics chains in waste movement. Logistics requirements and concepts in the movement of dangerous waste.

International and domestic legal sources related with transport impact on environment. Global logistics providers and sustainable concepts. Indicators and monitoring of external impact of logistics processes (transport, warehousing and packing) on environment. Identification and quantification of external logistics costs. Calculation of emissions. Sustainable development of logistics systems.

4. Teaching methods:

A part of lectures assumes an independent research work. The research work includes the systematization of novel knowledge and/or using appropriate methods for solving a practical problem. The research work has to be presented as the working paper. If possible, the research work and the paper should focus on the research question(s) in PhD dissertation.

Lectures, consultations, research work.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Ministarstvo životne sredine i prostornog planiranja	Prva (Inicijalna) nacionalna komunikacija Republike Srbije		2010
2,	Saobraćajni fakultet Univerziteta u Beogradu, CIP	Određivanje količina emitovanih gasovitih zagađujućih materija poreklom od drumskog saobraćaja primenom COPERT IV modela EEA	Saobraćajni fakultet Univerziteta u Beogradu, CIP	2010
3,	Stojanović Đ., Veličković, M.	The impact of freight transport on greenhouse gases emissions in Serbian cities - The case of Novi Sad	Metalurgia international ISSN: 1582-2214, 2012, No. 6, Str. 196-201, ISBN 1582 - 2214, Izdavač: Romanian Metallurgical Foundation, Scientific Publishing House; (Polje rezultata: Tehničko-tehnološke nauke)	2012
4,	Stojanović Đurđica, Basarić Valentina, Gajić Vladeta	The impact of freight transport on urban noise	3rd International Conference Towards a humane city, Novi Sad, Izdavač: FTN;	2011
5,	Stojanović Đ., Veličković, M., Gajić, V.	Razvoj ekološki orijentisane urbane logistike	Ekologica, 2012, Vol. 19, No. 66,Naučno stručno društvo za zaštitu životne sredine Srbije "Ecologica";	2012
6,	Cetinkaya, B. et al.	Sustainable supply chain management	Springer	2011

Table 5.2 Course specification

Course:		
Course id:	DSIM1	**Traffic Planning**
Number of ECTS:	14	
Teachers:		Basarić B. Valentina, Jović J. Jadranka, Krstanoski -. Nikola, Krstanoski -. Nikola, Basarić B. Valentina
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Studying on new transportation planning methodology and deficiencies of traditional "predict and provide" methodology, studying on traffic surveys, travel demand management, new modal split models and transportation system optimization methods.

2. Educational outcomes (acquired knowledge):

Application of acquired knowledge for analyzing traffic demand, creating transportation demand models and management of urban transportation network. Application of acquired knowledge into other fields dealing with problems and development of traffic infrastructure, as well as traffic control in road and street network.

3. Course content/structure:

Indicators of transport demand. Data collections methods. Data analysis and transportation forecasting. Transportation models. Interactive models. Methods and criteria for choosing a model. Project appraisal.

4. Teaching methods:

Lectures, consultations, team work, presentations

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	40.00	Oral part of the exam	Yes	60.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Michael Patricson, Martine Labbe	Transportation planing	Kluwer Academic Publishers, Dordrecht, Netherlands</eng	2002
2,	Nikola Krstanoski	Public Urban Transport Planning	Faculty for Tehnical Sciences, Bitola	2003
3,	W. R. Blunden	The Land Use/Transport Svstem	Pergamon Press, Oxford	1971
4,	M. J. Brunton	Introduction to Transport Planning	Hutchinson and Co, London	1975
5,	J. Pađen	Osnove prometnog planiranja	Informator, Zagreb	1986
6,	M. Jovanović	Planiranje saobraćaja	Saobraćajni fakultet, Beograd	1990
7,	C. A.O"Flaherty	Transport Planning and Traffic Engineering	Elsevier Linacre House, Oxford	2005

Table 5.2 Course specification

Course:		Rail Transport Logistics		
Course id:	DSSO6			
Number of ECTS:	14			
Teachers:		Stojić S. Gordan, Tanackov J. Ilija, Tepić Đ. Jovan, Stojić S. Gordan, Tanackov J. Ilija		
Course status:		Elective		

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Introduce students to current research directions in logistics rail transport

2. Educational outcomes (acquired knowledge):

By adopting the course content, students will be able to follow the latest trends in mastering the skills of planning, performing and conducting research to improve the railway transport logistics principles.

3. Course content/structure:

Current topics of research in the field of transportation needs and demands, forecasting and planning of transportation of goods and passengers by rail, improving the quality of transport services, managing the flow of cars, planning the structure of transport vehicles, development and implementation of new technologies in the transport of goods and passengers, modeling the organizational structure of railway operators, modeling of transport costs, construction of railway tariffs, define transport policy.

4. Teaching methods:

View current problems solutions with theoretical methods, analysis methods and optimization solutions selected in the published literature, student study research.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project task	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Yaghini, M., Khandaghabadi, Z.	A hybrid metaheuristic algorithm for dynamic rail car fleet sizing problem, Applied Mathematical Modelling	ELSEVIER	2012
2,	Peláeza, A. L., Sánchez-Cabezudoa, S. S., Kyriakoub, D.	Railway transport liberalization in the European Union: Freight, labor and health toward the year 2020 in Spain, Technological Forecasting and Social Change, Volume 79, Issue 8, pp. 1388–1398	ELSEVIER	2012
3,	Stojić, G., Vesković, S., Tanackov, I., Milinković, S.	Model for Railway Infrastructure Management Organization, Promet – Traffic&Transportation, Vol. 24, No. 2, pp. 99-107	University of Zagreb, Faculty of Transport and Traffic Engineering	2012
4,	Beugina, J., Maraisb, J.	Simulation-based evaluation of dependability and safety properties of satellite technologies for railway localization, Transportation Research Part C: Emerging Technologies, Volume 22, pp 42–57	ELSEVIER	2012
5,	Sayarshada, H. R., Tavakkoli-Moghaddam, R.	Solving a multi periodic stochastic model of the rail–car fleet sizing by two-stage optimization formulation, Applied Mathematical Modelling, Volume 34, Issue 5, pp. 1164–1174	ELSEVIER	2010
6,	Teodorović, D.	Swarm intelligence systems for transportation engineering: Principles and applications, Transportation Research Part C: Emerging Technologies, Volume 16, Issue 6, pp. 651-667	ELSEVIER	2008
7,	Kreutzberger, E. D.	Distance and time in intermodal goods transport networks in Europe: A generic approach, Transportation Research Part A: Policy and Practice, Volume 42, Issue 7, pp. 973–993	ELSEVIER	2008
8,	Janić, M.	Modelling the full costs of an intermodal and road freight transport network, Transportation Research Part D: Transport and Environment, Volume 12, Issue 1, pp. 33–44	ELSEVIER	2007
9,	Van Vuuren, D.	Optimal pricing in railway passenger transport: theory and practice in The Netherlands, Transport Policy, Volume 9, Issue 2, pp. 95–106	ELSEVIER	2002

Ord.	Author	Title	Publisher	Year
Literature				
10,	Janić, M.	The trans European railway network: Three levels of services for the passengers, Transport Policy, Volume 3, Issue 3, pp. 99-104	ELSEVIER	1996

Table 5.2 Course specification

Course:		Methods in Traffic Infrastructure Management
Course id:	DSIM4	
Number of ECTS:	14	
Teachers:		Bogdanović Z. Vuk, Lep J. Marjan, Rebolj S. Danijel, Bogdanović Z. Vuk
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Introduction to basic terms and characteristics of traffic infrastructure, as well as basic aspects and technologies for effective management of traffic infrastructure emphasising road network.

2. Educational outcomes (acquired knowledge):

Acquiring basic knowledge on role of traffic infrastructure, advanced methods for managing traffic infrastructure and developing abilities for application of accumulated theoretical knowledge to solving practical problems.

3. Course content/structure:

Basic terms in traffic infrastructure: role, purpose and significance. Technical and technological base of traffic infrastructure. Organizational, economic, information and technical aspects of managing traffic infrastructure. Digital models of road infrastructure (structure, description standards, applications). Digital models of road network. Road network managing systems.

4. Teaching methods:

Lectures, consolations. Part of the teaching is realised in a classical manner in classrooms, and part in the form of e-lectures (e-lectures are realizes through video conferencing).

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	60.00	Oral part of the exam	Yes	40.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	M. Bell	Transportation Networks: Recent Methodological Advances	Pergamon Press	1999
2,	D. Teodorović	Transportne mreže	Saobraćajni fakultet Beograd	2007
3,	K. Button, D. Hensher	Handbook of Transport System and Traffic Control	Pergamon	2001
4,	S. Ghosh, T. Lee	Intelligent Transport System Handbook	Taylor & Francis	2005
5,	H.J. van Zuylen	Traffic control for intersection	TUD	2002
6,	D. Teodorovic	Transportation Networks	Gordon and Breach Science Publishers	1986

Table 5.2 Course specification

Course:		selected topics in the area of project management and investment management
Course id:	DSSP5	
Number of ECTS:	14	

Teachers:	Atanasković R. Predrag, Atanasković R. Predrag
Course status:	Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses

1. Educational goal:

Training students in project management and investment management in the application of traffic engineering.

2. Educational outcomes (acquired knowledge):

The student is able to further the professional development of applying the knowledge in this field in practical work and resolve issues related to the management of projects and investments in the fieled of traffic area

3. Course content/structure:

What are the projects, to be shared, what the legislation. Input parameters in the formation of working groups, direct and indirect costs of project implementation, the duration of the project activities, possible ways of connecting activities. Advanced use of Microsoft Project 2010. Investment cycles, the purpose of investment, investment justification, return on investment. Application in traffic. Research work in the form of solving practical tasks.

4. Teaching methods:

Lectures, consultations. Essay. Lectures presents the theoretical part of the material accompanied by characteristic examples for easy understanding of the material. In addition to lectures are held regularly and consultation. Through study research student, studying scientific journals and other literature deepens own curriculum with lectures. Along with his work with the teacher to the student qualifies for writing a scientific paper. Writing a seminar paper.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Homework	Yes	40.00	Oral part of the exam	Yes	60.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	predavanja, odabrana poglavlja	predavanja, odabrana poglavlja		2012

Table 5.2 Course specification

Course:		Logistics of Heterogeneous Intensive Processes
Course id:	DSA00	
Number of ECTS:	14	

Teachers:	Simić S. Dragan, Simić S. Dragan
Course status:	Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Introducing student to characteristics of logistic concepts in heterogeneous and intensive processes.

2. Educational outcomes (acquired knowledge):

Designing ability of logistic discipline for the case of realization of heterogeneous and intensive processes demand.

3. Course content/structure:

Cyclic events logistics. Close-loop supply chain management. Special characteristics of subsystems of realization of order, transport, warehouse, packaging and reloading. Event projection and characteristics of heterogeneous events cycle. Distribution of time and space in cycles, event intensity formation. Organization of transportation, warehouse and reloading capacity of heterogeneous intensive logistic processes. Organization of order realization function, assembly and disassembly and human resources. Cycling of transportation, warehouse, reloading, packaging, identification and bringing into a usable condition in close systems of supply chain. Architecture, function and special characteristics of Information systems for support of Logistic of heterogeneous intensive processes and role of information systems in optimization of logistics processes and reduction of logistic system costs. Characteristic fair events examples, characteristic short mass serving, logistic of incidental situations, etc.

4. Teaching methods:

Auditor classes. Research and study work in real logistic systems.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	30.00	Oral part of the exam	Yes	55.00
Term paper	Yes	15.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Ratko Zelenika	Logistički Sustavi	Ekonomski Fakultet u Rijeci	2005
2,	Simme D.P. Flapper, Jo van Nunen, Luk N. van Wassenhove	Managing Closed-Loop Supply Chains	Springer	2010
3,	Jiuh-Biing Sheu	An emergency logistics distribution approach for quick response to urgent relief demand in disasters	Elsevier	2007
4,	Wei Yi, Arun Kumar	Ant colony optimization for disaster relief operations	Elsevier	2007
5,	Mei-Shiang Chang, Ya-Ling Tseng, Jing-Wen Chen	A scenario planning approach for the flood emergency logistics preparation problem under uncertainty	Elsevier	2007
6,	Guang-fen Yang, Zhi-ping Wang, Xiao-qiang Li	The optimization of the closed-loop supply chain network	Elsevier	2009
7,	Qinghua Zhu, Joseph Sarkis, Kee-hung Lai	Green supply chain management implications for "closing the loop"	Elsevier	2008
8,	Ilija Tanackov, Gordan Stojić	Logistika	Fakultet za poslovni menadžment u Baru	2008
9,	Paul Beynon-Davies	Business Information Systems	Palgrave Macmillan	2009
10,	Effy Oz	Management Information Systems	Course Technology	2008

Table 5.2 Course specification

Course:		Selected topics from inventory management			
Course id:	DSSL2				
Number of ECTS:	14				
Teachers:		Stojanović M. Đurđica, Nikoličić S. Svetlana, Simić S. Dragan, Simić S. Dragan				
Course status:		Elective				

Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Acquiring knowledge about importance of inventories in company, and also insight about importance of planning and management of inventories, as well as in company and also through entire supply chain.

2. Educational outcomes (acquired knowledge):

By the end of the course student will be capable to: define and quantify goals of inventory management; recognize and define the parameters of the resupply policies; quantify relevant inventory performances; evaluate the impact of on the inventories on logistics costs and logistics services; to properly examine alternative approaches to inventory management models.

3. Course content/structure:

Importance and types of inventories. Relevant costs of inventories. Economic order quantity. Vagueness of product demand and safety stocks level. Management inventory systems with periodic stock replenishment. Initiatives and programs of joint inventory management in the supply chain: collaborative planning, forecasting, and replenishment (CPFR), vendor-managed inventory (VMI), continuous replenishment programs (CRP), and efficient consumer response (ECR).

4. Teaching methods:

Lectures, consultation,project. Knowledge check: oral examination.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Ronald Ballou	Business Logistics Management	Prentice Hall	1999
2,	David Bloomberg, Stephen le May, Joe Hanna	Logistics	Pearson Education Inc	2002
3,	Svetlana Nikoličić	Logistika lanaca snabdevanja i informacione tehnologije	Zadužbina Andrejević	2012

Table 5.2 Course specification

Course:		Selected chapters from the field of public postal network management
Course id:	DSSP1	
Number of ECTS:	14	
Teachers:		Kujačić D. Momčilo, Šarac D. Dragana, Šarac D. Dragana
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Providing students with in depth knowledge (theoretical and practical) in the field of postal network, especially the public postal network (JPM).

2. Educational outcomes (acquired knowledge):

Ability to develop a successful model of network management on specific case in public postal network management.

3. Course content/structure:

Postal regulations Planning, organizing, managing and controlling the public postal network (different models of planning and organizing, with methods of measuring quality (space and time availability of JPM)) JPM financing methods, Management of costs of the universal postal service, The scope of the universal postal service

4. Teaching methods:

Part of teaching is done through independent research in the field of postal network. Research work includes active monitoring of the applied model of the public postal network and writing papers in the narrow scientific area in which doctoral dissertation belongs. Lectures. Consultations. Study and Research.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Homework	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Kujačić M	Poštanska mreža i usluge	FTN izdavaptvo	2010
2,	Kujačić M	Nove tehnologije i usluge u poštanskom saobraćaju	FTN izdavaštvo	2012

Table 5.2 Course specification

Course:		
Course id:	SID01	Doctoral Dissertation (Theoretical Bases)
Number of ECTS:	30	
Teachers:		
Course status:	Mandatory	

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
0	0	0	20	0

Precondition courses	None

1. Educational goal:

The application of fundamental, theoretical and methodological, scientific and professional, and professional and applicative knowledge, methods and contemporary knowledge from the magazines from the SCI list in order to solve concrete problems within the courses at Doctoral studies.

2. Educational outcomes (acquired knowledge):

Enabling students to individually connect the contents from the courses at Doctoral studies, apply previously acquired as well as new knowledge for observing the structure of the set problems and its systematic analysis in order to elaborate conclusions on possible directions in its solving. Through individual usage of literature, students broaden their knowledge and utilizing new methods individually and creatively, they use new knowledge in solving the set problems.

3. Course content/structure:

It is formulated individually in accordance with further research. Students read scientific literature, and perform analyses in order to find solutions for a concrete task which is defined by setting the task on the side of the supervisor and other lecturers at Doctoral studies. Theoretical bases present a classification examinations. Students are prepared to take the classification examination.

4. Teaching methods:

Student`s co-supervisor sets the seminar paper task and delivers it to the student. The student has the obligation to elaborate the paper within the set theme defined by the paper task, utilizing the literature proposed by the co-supervisor. During the paper elaboration, the co-supervisor can provide additional instructions to the student direct them to certain literature and additionally direct them towards the elaboration of a quality paper. During the study research work, the student has tutorials with the co-supervisor and course lecturers, and if needed, with other lecturers dealing with the problems in the field of the set paper task. Within the set theme, the student can also perform certain measuring, research, calculations, surveys and other researches, statistic data processing, if it is necessary for the task. After the defence of the paper, the candidate has to pass the oral examination in the field of the passed examinations, in front of a committee. If the examination is

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	grupa autora	časopisi sa liste Kobsona		sve
2,	grupa autora	časopisi i doktorske disertacije iz date problematike		sve

Table 5.2 Course specification

Course:		Doctoral Dissertation – Study and Research
Course id:	SID02	
Number of ECTS:	30	
Teachers:		
Course status:	Mandatory	

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
0	0	0	30	0

Precondition courses	None

1. Educational goal:

The application of fundamental, theoretical and methodological, scientific and professional, and professional and applicative knowledge and methods in solving concrete problems within the selected field. In this segment of Doctoral dissertation, students investigate the problem, its structure and complexity and on the basis of the performed analyses draw conclusions on possible manner in its solving. Researching the literature, students are introduced to methods attended for creative solving of new tasks and the engineering practice in their solving. The objective of students` activity within this segment of research is to acquire necessary experience through solving complex problems and tasks and recognizing the possibility for applying previously acquired knowledge in practice.

2. Educational outcomes (acquired knowledge):

Enabling students to individually apply previously acquired knowledge from diverse areas already studied in order to observe the structure of the set problem and its systematic analysis for drawing conclusions on possible directions in its solving. Through individual usage of literature, students broaden their knowledge from the selected field and they investigate diverse methods and papers related to the similar fields. Thus, students develop the competence to perform analyses and identify problems within the set theme. Practical application of the acquired knowledge from diverse areas develops in students the ability to overview the place and the role of engineers in the selected field, the demand for cooperation with other professions and the team work.

3. Course content/structure:

It is formulated individually in accordance with the elaboration of the concrete Doctoral dissertation, its complexity and structure. Students read scientific literature, Doctoral dissertations by other students dealing with similar theme; they perform analyses in order to find solutions for a concrete task defined by the task of the Doctoral dissertation.

4. Teaching methods:

The supervisor of the Doctoral dissertation sets the dissertation task and delivers it to the student. The student has the obligation to elaborate the dissertation within the set theme defined by the Doctoral dissertation task, utilizing the literature proposed by the supervisor. During the elaboration of the Doctoral dissertation, the supervisor can provide additional instructions to the student direct them to certain literature and additionally direct them towards the elaboration of a quality Doctoral dissertation. During the study research work, the student has tutorials with the supervisor, and if needed, with other lecturers dealing with the problems in the field of the set dissertation task. Within the set theme, the student can also perform certain measuring, research, calculations, surveys and other researches, statistic data processing, if it is predicted by the task of the Doctoral dissertation.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	grupa autora	časopisi sa liste Kobson		sve
2,	grupa autora	časopisi i doktorske disertacije iz date problematike		sve

Table 5.2 Course specification

Course:		Doctoral Dissertation – Study and Research
Course id:	SID03	
Number of ECTS:	10	
Teachers:		
Course status:	Mandatory	

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
0	0	0	10	0

Precondition courses	None

1. Educational goal:

The continuation of study and research from previous semester. The application of fundamental, theoretical and methodological, scientific and professional, and professional and applicative knowledge and methods in solving concrete problems within the selected field. In this segment of Doctoral dissertation, students investigate the problem, its structure and complexity and on the basis of the performed analyses draw conclusions on possible manner in its solving. Researching the literature, students are introduced to methods attended for creative solving of new tasks and the engineering practice in their solving. The objective of students` activity within this segment of research is to acquire necessary experience through solving complex problems and tasks and recognizing the possibility for applying previously acquired knowledge in practice.

2. Educational outcomes (acquired knowledge):

Enabling students to individually apply previously acquired knowledge from diverse areas already studied in order to observe the structure of the set problem and its systematic analysis for drawing conclusions on possible directions in its solving. Through individual usage of literature, students broaden their knowledge from the selected field and they investigate diverse methods and papers related to the similar fields. Thus, students develop the competence to perform analyses and identify problems within the set theme. Practical application of the acquired knowledge from diverse areas develops in students the ability to overview the place and the role of engineers in the selected field, the demand for cooperation with other professions and the team work.

3. Course content/structure:

It is formulated individually in accordance with the elaboration of the concrete Doctoral dissertation, its complexity and structure. Students read scientific literature, Doctoral dissertations by other students dealing with similar theme; they perform analyses in order to find solutions for a concrete task defined by the task of the Doctoral dissertation.

4. Teaching methods:

The supervisor of the Doctoral dissertation sets the dissertation task and delivers it to the student. The student has the obligation to elaborate the dissertation within the set theme defined by the Doctoral dissertation task, utilizing the literature proposed by the supervisor. During the elaboration of the Doctoral dissertation, the supervisor can provide additional instructions to the student direct them to certain literature and additionally direct them towards the elaboration of a quality Doctoral dissertation. During the study research work, the student has tutorials with the supervisor, and if needed, with other lecturers dealing with the problems in the field of the set dissertation task. Within the set theme, the student can also perform certain measuring, research, calculations, surveys and other researches, statistic data processing, if it is predicted by the task of the Doctoral dissertation.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	grupa autora	časopisi sa liste Kobsona		sve
2,	grupa autora	časopisi i doktorske disertacije iz date problematike		sve

Table 5.2 Course specification

Course:		Doctoral Thesis - Realization and Defence of Thesis
Course id:	DZR03	
Number of ECTS:	20	
Teachers:		
Course status:	Mandatory	

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
0	0	0	0	20

Precondition courses	None

1. Educational goal:

Acquiring knowledge about structure and form of writing the dissertation report after analysis, and other activities carried out within the assigned theme of Doctoral dissertation. By writing the Doctoral dissertation, students gain experience in writing papers within which it is necessary to describe the problem, implement methods and procedures and obtained results, as well as to give new scientific contribution to the science development and to the application of the scientific research in practice. In addition, the objective of writing and defense of the Doctoral dissertation is to develop student skills for independent paper preparation in a suitable form for the purpose of public presentation, as well as to respond to comments and questions related to the given topic.

2. Educational outcomes (acquired knowledge):

Training students for a systematic approach in solving the given problems, carrying out analyses, applying knowledge and accepting knowledge from other areas in order to find creative solutions for a given problem. Through independent studying and solving tasks in a given topic, they acquire the knowledge about the complexity of the problems in the field of their profession. Through elaboration of Doctoral dissertation, students gain certain experiences that can be applied in practice when solving problems in the field of their profession. The student acquires necessary experience on how to present the results of independent or team work in practice by preparing the results for public defense, by public defense, and by answering questions and complaints of the Commission.

3. Course content/structure:

It is individually formed in accordance with the needs and the field covered by a given Doctoral dissertation. In agreement with a mentor, a student makes the Doctoral dissertation in a written form in accordance with the rules provided by the Faculty of Technical Sciences. The student prepares and defends the written Doctoral dissertation in public, in agreement with the mentor and in accordance with the prescribed rules and procedures.

4. Teaching methods:

During the elaboration of the Doctoral dissertation, the student consults with his/her mentor, and if necessary with other teachers dealing within a sphere of the Doctoral dissertation. The student writes the Dcotoral dissertation, and submits the bound copies to the Commission upon the approval of the Commission for assessment and defense. The Defense of the Doctoral dissertation is performed in public, and after the presentation, the student is obliged to orally answer the questions and comments.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Writing the PhD thesis	Yes	50.00	PhD thesis defence	Yes	50.00

Standard 06. Programme Quality, Contemporaneity and International Compliance

The study programme of doctoral studies in Traffic Engineering is realized within a unique study programme oriented towards individual improvement of studens in the field of postal traffic and communications, traffic planning and management, logistics, transport and safety. The study programme is consistent with the modern world`s scientific developments and the status of the traffic engineering profession, and comparable to similar programmes in foreign higher education institutions. Differences, if they exist, are primarily in terms of study organization and result from organization of Faculty of Technical Sciences. Education at the Faculty of Technical Sciences includes various different technical sciences combined in functional ortanizational unity. Certain international universities are only oriented towards certain profiles which can be acquired at Traffic Engineering study programme through a numerous optional subjects. For that reason it is possible to compare study programme in Traffic Engineering with study programme in traffic and transport at universities abroad. Examples of some leading universities worldwide offering education in fields studied at the study programme in Traffic Engineering at the Faculty of Technical Sciences are described here.

The study programme is comparable with and in accordance with:

1.Technishe Universität Dresden, Germany (http://www.tu-dresden.de)

2.Massachusetts Institute of Technology, Department of Civil and Environmental Engineering, USA (http://cee.mit.edu)

3.Vilnius Gediminas Technical University, Lithuania (http://www.vgtu.lt)

4.Czech Technical University in Prague, Faculty of Transportation Sciences, Czech Republic (http://www.fd.cvut.cz/)

5.UCLA Institute of Transportational Studies,USA (http://www.its.ucla.edu)

6.School of Civil Engineering and the Environment University of Southampton, United Kingdom (http://www.civil.soton.ac. uk)

7.Institute of Transport and Logistics Studie (ITLS), Universities of Sidney, Australia (http://www.itsl.usyd.edu.au)

The study programme is formally and structurally consistent with the adopted subjects and specific standards for accreditation and conforms to European standards in terms of enrolment, length of study, conditions of transition to a following year, graduation and method of study.

Professors teaching at other universities, faculties and institutes are hired to teach at this study programme and this gives additional quality to the programme. This provided opportunities to students to establish contacts and acquire a number of ECTS credits at other study programme with assistance of these lecuturers. The Faculty of Technical Sciences has good cooperation with a great number of universities, faculties and institutes what represents good basis for participation in research and study projects in which doctoral students will be involved.

Standard 07.   Student Enrollment

In accordance with social needs and its resources, the Faculty of Technical Sciences enrols a number of students to the Doctoral Academic Studies in Civil Engineering either to the budget financing of studies or self-financing which is defined each year by a special decision of Educational-Scientific Council of the Faculty.

The first year of doctoral studies may be enrolled by a person who has:

• the completed undergraduate academic and graduate academic studies in the field of civil engineering with at least 300 ECTS credits and grade point average not less than 8.00 on the undergraduate academic and graduate academic studies - Master or equivalent grade from other rating systems, or if one belongs to 20% of the best students in the generation; or

• the academic title of Master of Science in the scientific field of civil engineering and if the student has not obtained the PhD degree by earlier legislation within the period established by the law.

In some exceptional situations enrolment may be allowed to other candidates taking differential exams. The decision on taking differential exams including the character of differential exam is made by the Commission for the enrolment of the study programme.

In addition, the candidate is required to know world languages and to have IT skills which guarantee the smooth attendance of classes and the use of literature.

The passed examinations can be acknowledged or partially acknowledged to students of master studies or those with the master of science degrees whose knowledge was acquired by previously existing legislation with amendment which is done by the Commission for enrolment, provided that the candidate has not spent more than four (4) years on Master of science studies.

Based on the grade point average and the duration of studies, published scientific and expert papers, the Committee for the study programme quality forms a list of applied candidates.

Committee for the study programme quality can issue a decision on organizing additional knowledge evaluation by setting a classification examinations.

Priority in budget studies is given to candidates who work in the position of associates at the Faculty and those having scholarships provided by the Ministries and Secretariat for Science of AP Vojvodina.

Committee for quality evaluates all passed activities by candidates for enrolment, and determines on the basis of obtained number of points whether the candidate can enrol doctoral studies. Passed activities can be acknowledged entirely, partially or not at all.

During enrolment, the student and the Faculty conclude an agreement on the rights and obligations during studies.

Standard 09.   Teaching Staff

For the realization of the study programme in Traffic Engineering, there is teaching staff with necessary professional and scientific qualifications, verified by the list of scientific papers and data on participation in national and international scientific and research projects. At least half of teachers participate in scientific and research projects. Teachers` competence is determined on the basis of scientific papers published in international magazines, where at least one paper has been published or accepted to be published in a magazine from the SCI list; scientific papers published in national magazines; papers published in proceedings from international scientific conferences; monographs; patents; textbooks; new products or significant improvements on the existing products.

The supervisor has at least five scientific papers published or accepted to be published in scientific magazines on the given field. It has been established that a supervisor cannot lead more than five Doctoral dissertation candidates simultaneously. The selection of a supervisor is determined in such a manner that each supervisor ought to have at least five papers published in the magazines from the SCI list.

The number of teachers coincides with the demands of the study programme and depends on the number of courses they lecture and the number of classes at these courses. The total number of teachers is sufficient to cover the total number of classes on the study programme, so each teacher has an average of 180 active classes (lectures, tutorials, practice classes, field classes) per year, i.e. 6 classes per week. Out of the total number of necessary teachers, all 100% are full time employed. A minimal number of teachers participating in the given study programme with full time employment is five.

Scientific and professional qualifications of the teaching staff relate to the educational and scientific field and the level of their participation. Each teacher has at least 10 references from the narrow scientific or professional field in which they lecture on the study programme.

No teacher has more than 12 classes per week. All data on teachers and assistants (CV, selections, and references) are available to the public.

Science, arts and professional qualifications

Name and last name:	Tollazzi B. Tomaž
Academic title:	Guest Professor
Name of the institution where the teacher works full time and starting date:	-
Scientific or art field:	Traffic Paths

Academic carieer	Year	Institution	Field
Academic title election:	2012		Traffic Paths
PhD thesis	1995	University of Maribor - Maribor	Traffic Paths

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	DSSK6S	Suistainable safe road design	(G00) Civil Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. LERHER, Tone, POTRČ, Iztok, ŠRAML, Matjaž, TOLLAZZI, Tomaž. Travel time models for automated warehouses with aisle transferring storage and retrieval machine. Eur. J. oper. res.. [Print ed.], Sep. 2010, vol. 205, iss. 3, str. 571-583, doi: 10.1016/j.ejor.2010.01.025. [COBISS.SI-ID 13815830], [JCR, WoS up to 7. 5. 2010: no. of citations (TC): 0, without self-citations (CI): 0, weighted no. of citations (NC): 0, Scopus up to 13. 6. 2012: no. of citations (TC): 1, without self-citations (CI): 1, weighted no. of citations (NC): 3]

2. LERHER, Tone, ŠRAML, Matjaž, POTRČ, Iztok, TOLLAZZI, Tomaž. Travel time models for double-deep automated storage and retrieval systems. Int. J. Prod. Res., June 2010, vol. 48, no. 11, str. 3151-3172, doi: 10.1080/00207540902796008. [COBISS.SI-ID 13163286], [JCR, WoS up to 7. 5. 2010: no. of citations (TC): 0, without self-citations (CI): 0, weighted no. of citations (NC): 0, Scopus up to 18. 6. 2012: no. of citations (TC): 0, without self-citations (CI): 0, weighted no. of citations (NC): 0]

3. TOLLAZZI, Tomaž, ŠRAML, Matjaž, LERHER, Tone. Roundabout arm capacity determined by microsimulation and discrete functions technique. Promet (Zagreb), 2008, vol. 20, no. 5, str. 291-300. [COBISS.SI-ID 12787222], [JCR, WoS up to 7. 8. 2009: no. of citations (TC): 1, without self-citations (CI): 1, weighted no. of citations (NC): 1, Scopus up to 21. 6. 2012: no. of citations (TC): 1, without self-citations (CI): 1, weighted no. of citations (NC): 1]

4. TOLLAZZI, Tomaž, LERHER, Tone, ŠRAML, Matjaž. The use of micro-simulation in determining the capacity of a roundabout with a multi-channel pedestrian flow. Stroj. vestn., 2008, vol. 54, št. 5, str. 334-346. http://en.sv-jme.eu/scripts/download.php?file=/data/upload/SV_JME_54(2008)05_334_346_Sraml.pdf. [COBISS.SI-ID 12305174], [JCR, WoS up to 7. 8. 2009: no. of citations (TC): 1, without self-citations (CI): 1, weighted no. of citations (NC): 1, Scopus up to 13. 6. 2012: no. of citations (TC): 1, without self-citations (CI): 1, weighted no. of citations (NC): 1]

5. TOLLAZZI, Tomaž, LERHER, Tone, ŠRAML, Matjaž. Analiza vpliva prometnega toka pešcev na prepustno zmožnost krožišča z uporabo diskretnih simulacij = An analysis of the influence of pedestrians` traffic flow on the capacity of a roundabout using the discrete simulation method. Stroj. vestn., 2006, letn. 52, št. 6, str. 359-379. http://www.sv-jme.eu/scripts/download.php?file=/data/upload/2006/6/SV-JME_52(2006)06_359-379_Tollazzi.pdf. [COBISS.SI-ID 10601494], [JCR, WoS up to 7. 8. 2009: no. of citations (TC): 3, without self-citations (CI): 1, weighted no. of citations (NC): 1, Scopus up to 1. 8. 2012: no. of citations (TC): 6, without self-citations (CI): 3, weighted no. of citations (NC): 4]

6. ŠRAML, Matjaž, TOLLAZZI, Tomaž, RENČELJ, Marko. Traffic safety analysis of powered two-wheelers (PTWs) in Slovenia. Accident anal. prev.. [Print ed.], Available online 30 January 2012, doi: 10.1016/j.aap.2011.12.013. [COBISS.SI-ID 15767574], [JCR, Scopus up to 30. 10. 2012: no. of citations (TC): 0, without self-citations (CI): 0, weighted no. of citations (NC): 0]

7. TOLLAZZI, Tomaž, RENČELJ, Marko, RODOŠEK, Vlasta, ZALAR, Borut. Traffic safety of older drivers in various types of road intersections. Promet (Zagreb), 2010, vol. 22, no. 3, str. 193-201. [COBISS.SI-ID 14240022], [JCR, WoS up to 10. 4. 2012: no. of citations (TC): 1, without self-citations (CI): 1, weighted no. of citations (NC): 1, Scopus up to 30. 5. 2012: no. of citations (TC): 4, without self-citations (CI): 4, weighted no. of citations (NC): 4]

8. TOLLAZZI, Tomaž, RENČELJ, Marko, TURNŠEK, Sašo. New type of roundabout : roundabout with "depressed" lanes for right turning - "flower roundabout". Promet (Zagreb), 2011, vol. 23, no. 5, str. 353-358. [COBISS.SI-ID 15507990], [JCR, WoS up to 8. 5. 2012: no. of citations (TC): 0, without self-citations (CI): 0, weighted no. of citations (NC): 0, Scopus up to 28. 12. 2011: no. of citations (TC): 0, without self-citations (CI): 0, weighted no. of citations (NC): 0]

9. TOLLAZZI, Tomaž, RENČELJ, Marko. Typical deficiencies in traffic safety and irregularities of Slovenian roads. V: 5th International Congress SIIV ROMA MMXII, Rome, Italy, 29-31 October 2012. Sustainability of road infrastructures. Roma: Sapienza Università di Roma: Società Italiana Infrastrutture Viarie: Dipartimento di Ingegneria Civile, Edile e Ambientale, 2012, [9] str. [COBISS.SI-ID 16408086]

10. TOLLAZZI, Tomaž, RENČELJ, Marko, TURNŠEK, Sašo. Roundabout with "depressed" lanes for right turning - "flower roundabout". V: 3rd International Conference on Roundabouts, Carmel, Indiana, May 18-20, 2011. 2011 TRB Roundabout Conference. [S. l.]: TechAmerica, 2011, 11 str. http://teachamerica.com/RAB11/RAB11Papers/RAB1116Tollazzi-0130.pdf. [COBISS.SI-ID 15161110]

Summary data for teacher's scientific or art and professional activity:	
Quotation total :	17
Total of SCI(SSCI) list papers :	8

Science, arts and professional qualifications

Name and last name:	Adžić Z. Nevenka
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.09.1978
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	2002	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1990	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1986	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1976	Faculty of Sciences - Novi Sad	Mathematical Sciences

	List of courses being held by the teacher in the accredited study programmes		
	ID	Course name	Study programme name, study type
1.	E121	Mathematical Analysis 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E221A	Mathematical Analysis 2	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
3.	GG10	Mathematical Methods 3	(G00) Civil Engineering, Undergraduate Academic Studies
4.	M106	Mathematics 2	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
			(M30) Energy and Process Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
5.	S017	Mathematics 2	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
6.	S0213	Mathematical Statistics	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
7.	Z104	Mathematics 1	(Z01) Safety at Work, Undergraduate Academic Studies
			(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
			(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
8.	BMI91	Mathematics 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	BMI92	Mathematics 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies
10.	E101A	Discrete Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
11.	IM1012	Probability and Statistics	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies

	ID	Course name	Study programme name, study type
12.	IM1523	Discrete Mathematics	(M30) Energy and Process Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
13.	P216	Numerical Analysis	(P00) Production Engineering, Undergraduate Academic Studies
14.	0M517	Numerical Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
15.	0ML517	Numerical Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
16.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
17.	D0M24	Numerical Solutions of Differential Equations	(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
			(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F00) Graphic Engineering and Design, Doctoral Academic Studies
			(F20) Engineering Animation, Doctoral Academic Studies
			(G00) Civil Engineering, Doctoral Academic Studies
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(M40) Technical Mechanics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies
			(Z00) Environmental Engineering, Doctoral Academic Studies
			(Z01) Safety at Work, Doctoral Academic Studies
19.	AID06	Graph theory	(F20) Engineering Animation, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. N. Adzic, On the spectral solution for boundary value problem, ZAMM 70,(1990) 6, T647-T649.

2. V. Vrcelj, N. Adzic, Z. Uzelac: A numerical asymptotic solution for singular perturbation problems, International journal of computer mathematics, Vol.39, (1991) 229-238.

3. N. Adzic: Modified hermite polynomials in the spectral approximation for boundary layer problems, Bulletin of the Australian mathematical society, Vol.45, (1992) 267-276.<eng>

4. N. Adzic: Spectral approximation for single turing point problem, ZAMM72(1992)6, T621-T624.

5. N. Adzic: Nonclassical orthogonal polynomials and singularly perturbed problems, ZAMM73(1993) 7/8, T868-T871.

6. N. Adzic: Spectral approximation and asymptotic behaviour of boundary layer problems, ZAMM74(1994)6, T-553-T555.

7. N. Adzic, Z. Uzelac: A combination of spline and spectral approximation for a class of singularly perturbed problems, ZAMM78 (1998), S853-S854

8. Z. Uzelac, N. Adzic: The Approximate Solution for Problems with Nonlocal Boundary Conditions, ZAMM79 (1999), S881-S882

9. N. Adzic, Z. Uzelac: On spectral approximation for some two-dimensional singularly perturbed problems, ZAMM79 (1999), S851-S852

10. N. Adzic: On the spectral approximation for singularly perturbed problems,ZAMM 71(1991)6,T773-T776.

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	5			
Total of SCI(SSCI) list papers :	10			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:	Atanacković M. Teodor
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	18.03.1975
Scientific or art field:	Deformable Body Mechanics

Academic carieer	Year	Institution	Field
Academic title election:	1988	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics
PhD thesis	1974	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics
Magister thesis	1973	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics
Bachelor's thesis	1969	Faculty of Technical Sciences - Novi Sad	Thermal Energetics and Thermotechnics

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	A237	Material Resistance	(A00) Architecture, Undergraduate Academic Studies
2.	H202	Strength of materials	(H00) Mechatronics, Undergraduate Academic Studies
3.	A002S	Scientific Research Method	(A00) Architecture, Specialised Academic Studies
			(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(GI0) Geodesy and Geomatics, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
4.	DAU003	Selected Chapters in Mechanics	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
5.	DZ001	Scientific Research Method	(A00) Architecture, Doctoral Academic Studies
			(AS0) Scenic Design, Doctoral Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
			(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F00) Graphic Engineering and Design, Doctoral Academic Studies
			(F20) Engineering Animation, Doctoral Academic Studies
			(G00) Civil Engineering, Doctoral Academic Studies
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(M40) Technical Mechanics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies
			(Z00) Environmental Engineering, Doctoral Academic Studies
			(Z01) Safety at Work, Doctoral Academic Studies

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
6.	SID04	Current State in the Field	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies
7.	SID04	Present State in the Field	(A00) Architecture, Doctoral Academic Studies (AS0) Scenic Design, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	T. M. Atanackovic, Stability Theory of Elastic Rods. World Scientific, 1997.
2.	T. M. Atanackovic, A. Guran, Theory of Elasticity for Scientists and Engineers. Birkhauser, 2000..
3.	B. D Vujanovic, T. M. Atanackovic, An Introduction to Modern Variational Techniques in Mechanics and Engineering. Birkhauser, Boston 2004..
4.	T.M. Atanackovic, Stability of a Compressible Elastic Rod with Imperfections. Acta Mechanica. 76, 203?222 (1989)..
5.	T.M. Atanackovic and M. Achenbach, Moment-curvature relations for a pseudoplastic beam. Continuum Mech. Thermodyn. 1, 73-80 (1989)...
6.	T.M. Atanackovic and I. Müller, A New form of ther Coherency Energy in Pseudoelasticity. Meccanica, 30, 467-474 (1995).
7.	T. M. Atanackovic, Optimal shape of column with own weight: bi and single modal optimization. Meccanica 41, 173-196 (2006).
8.	T. M. Atanackovic, S. Pilipovic, D. Zorica, Diffusion wave equation with two fractional derivatives of different order. J. Phys. A: Math. Theor. 40, 5319-5333 (2007).
9.	T. M. Atanackovic, Optimal shape of an elastic rod in flexural – torsional buckling. Z. Angew. Math. Mech.(ZAMM) 87, No. 6, 399 – 405 (2007).
10.	T. M. Atanackovic and B. N. Novakovic, Optimal Shape of an elastic column on elastic foundation. European J. Mechanics, A/Solids, 25, 154-165 (2006).

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	220			
Total of SCI(SSCI) list papers :	120			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Atanasković R. Predrag
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.03.2011
Scientific or art field:	Postal Traffic and Communications

Academic carieer	Year	Institution	Field
Academic title election:	2012		Postal Traffic and Communications
PhD thesis	2007	Faculty of Technical Sciences "Mihajlo Pupin" in Zrenjanin - Zrenjanin	Traffic Engineering
Magister thesis	1999	Faculty of Transport and Traffic Engineering - Beograd	Traffic Engineering
Bachelor's thesis	1986	Faculty of Transport and Traffic Engineering - Beograd	Traffic Engineering

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	S01444	Investment Management in Traffic	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
2.	S01551	Fundamentals of air transport.	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
3.	S1443P	Project management	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
4.	S0I53Ž	Rail Transport Safety	(S00) Traffic and Transport Engineering, Master Academic Studies
5.	S0I5ŽS	Railway Lines and Stations	(S00) Traffic and Transport Engineering, Master Academic Studies
6.	LIM22	Logistic Controlling and Benchmarking	(LIM) Logistic Engineering and Management, Master Academic Studies
7.	S0M22	PROJECT MANAGEMENT	(S00) Traffic and Transport Engineering, Master Academic Studies
8.	S0M4	Modelling of Traffic and Transport	(S00) Traffic and Transport Engineering, Master Academic Studies
9.	DSSP5	selected topics in the area of project management and investment management	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Atanasković Predrag, Milić-Markovic Ljiljana, Sajfert Zvonko, Nikoličić Svetlana, Djordjević Dragan: "Multicirteria anaysis, investment process and optimization in the process of instalation rubber panels at level crossings", TTEM, vol 7, 2011, ISSN 1840-1503, page: 169-179
2.	Radojković Dragiša, Sajfert Zvonko, Vasić Živorad, Atanasković Predrag, Carević Zvonko: „Identification of Knowledge and Skills needed on the Labout Market" Metalurgia International, ISSN 1582-2214, 2012, vol 17 br 6, str 192-195
3.	Ljubo Marković, Predrag Atanasković, Ljiljana Milić – Marković, Dragana Sajfert, Milomir Stanković: "Investment decision management: prediction the cost and period of commercial building construction using artifical neural network", TTEM, vol 6, no 4, 2011, ISSN 1840-1503, page: 1301-1313
4.	Dragiša Radojković, Zvonko Sajfert, Janko Cvijanović, Predrag Atanasković, Saša Stanojčić : „Professional orientation in change and vocation structure choice"-;Metalurgia International VOL XVII (2012) NO 3, ISSN 1582-2214, page 155-161
5.	Predrag Atanasković, Svetlana Nikoličić, Strahinja Cvijanović: "Analysis of required investment and benefits using rfid in supply chains", Industrija, ISSN 0350-0373, number 2, volume XXXX, UDK 33, pages 69-79
6.	Sajfert D., Cvijanović S., Atanasković P: „Upravljanje i rukovođenje u osnovnim školama u Srbiji". Industrija, 2009, vol. 37, br. 4, str. 77-102, 2010 godina, ISSN 0350-0373
7.	P.Atanasković, D.Sajfert, S. Cvijanović: „Istraživanje uloge i zadataka rukovodioca projekta", INDUSTRIJA - časopis Ekonomskog Instituta – Beograd, ISSN 0350-0373, COBISS . SR.-ID 238359, broj 2/2009, strane 127-139,UDK 005.8:711.7
8.	Predrag Atanasković, Dragan Đorđević, Dragana Sajfert: "Analysis of requirements and the necessary investments in the railway station adjustment program for persons with special needs", Industrija, ISSN 0350-0373, number 2, volume XXXX, UDK 33, pages 191-201
9.	Atanasković Predrag, Sajfert Zvonko, Zeremski Aleksandar, INVESTMENT MANAGEMENT AND SELECTION OF THE RELEVANT PARAMETERS IN THE FIELD OF SAFE TRAFFIC ON LEVEL CROSSING POINTS ", Atanasković, Sajfert, Zeremski, 9th International Conference management Horizonts vision and chalanges, Kaunas, Lituania, 2007
10.	P.Atanasković, M.Žarković, Z.Sajfert SYMORG 2008, XI Internacionalni simpozijum – Menadžment i društvena odgovornost, BEOGRAD 2008, Zbornik radova, ISBN 978-86-7680-161-9, „Uloga i zadaci rukovodioca projekta pri upravljanju projektima",

Summary data for teacher's scientific or art and professional activity:	
Quotation total :	3

	UNIVERSITY OF NOVI SAD	
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6	
	Study Programme Accreditation - PhD Studies	
	DOCTORAL ACADEMIC STUDIES	Traffic Engineering

Total of SCI(SSCI) list papers :	4			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Bačkalić M. Todor
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	05.10.1992
Scientific or art field:	Transport System Technologies

Academic carieer	Year	Institution	Field
Academic title election:	2011		Transport System Technologies
PhD thesis	2001	Faculty of Technical Sciences - Novi Sad	Transport System Technologies
Magister thesis	1996	Faculty of Transport and Traffic Engineering - Beograd	Transport System Technologies
Bachelor's thesis	1992	Faculty of Technical Sciences - Novi Sad	Transport System Technologies

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	S0216	Water Transport Technology	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
2.	S0220	Organization of Water Transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
3.	S0I4N4	Process management in water transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
4.	S0I51V	Waterways and Ports	(S00) Traffic and Transport Engineering, Master Academic Studies
			(G00) Civil Engineering, Master Academic Studies
5.	S0I52V	Ship design and exploatation of ships	(S00) Traffic and Transport Engineering, Master Academic Studies
6.	S0I53V	Navigation and vessel traffic control	(S00) Traffic and Transport Engineering, Master Academic Studies
7.	LIM25	Transport Technologies II	(LIM) Logistic Engineering and Management, Master Academic Studies
8.	S0MI12	Theory of ship's motion and maneuverability	(S00) Traffic and Transport Engineering, Master Academic Studies
9.	DSSB1	Water transport modelling	(S00) Traffic Engineering, Doctoral Academic Studies
10.	DSSB6	Traffic management on inland waterways	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Tehnologija vodnog saobraćaja deo I - Plovna prevozna sredstva, Edicija - "Tehničke nauke - udžbenici", 2003. (prvo izdanje), 2005. (drugo izdanje), Fakultet tehničkih nauka, Novi Sad
2.	Eksploataciona svojstva brodskih dizel motora, 2001., Saobraćajni odsek Fakulteta tehničkih nauka, Novi Sad
3.	Analysis and Reallocation of Relibility of Power-Steering Group on Ships with "Z" Transmission", Proceedings of the First International Conference on Marine Industry "MARIND "96" Volume III pg. 271-279, Varna, Bulgaria, 2-7 June 1996.
4.	Modeling of Vessel Traffic Process in One-Way Straits at Alternating Passing, The Second International Conference on Marine Industry "MARIND "98", Varna, Bulgaria, September 28-October 2 1998.
5.	Modelling of Vessel Traffic Process at Controlled Navigation on Artificial Inland Waterways, European Inland Waterway Navigation Conference, Györ, Hungary, 11-13 June, 2003.
6.	Renewal Process of Power-Steering Group on Motor Cargo Ships of MT-1500 Series, International Conference - Dependability and Quality Management DQM 2004, Belgrade, Serbia, 16-17 June, 2004., Proceedings pg. 120-124
7.	Fuzzy approach to modelling of the control of the ship locking process, European Inland Waterway Navigation Conference, Szeged, Hungary, 11-13 June, 2005.
8.	Organizacija saobraćaja na plovnim kanalima u funkciji propusne sposobnosti plovnog puta
9.	Upravljanje saobraćajem na veštačkim plovnim putevima ograničenih dimenzija u funkciji njihove propusne sposobnosti
10.	Balkan Arterial Waterway Danube-Morava-Danube, The First International Symposium Macedonian Transport Corridors, Bitola, Macedonia, 1996.

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	0			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:	Basarić B. Valentina
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.02.2000
Scientific or art field:	Traffic Systems

Academic carieer	Year	Institution	Field
Academic title election:	2011		Traffic Systems
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Traffic Engineering
Magister thesis	2006	Faculty of Technical Sciences - Novi Sad	Traffic Systems
Bachelor's thesis	1999	Faculty of Technical Sciences - Novi Sad	Traffic Systems

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	S0324	Fundamentals in Traffic Planning	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
2.	S0329	Traffic Planning Models	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
3.	S0I594	Traffic Forecasts	(S00) Traffic and Transport Engineering, Master Academic Studies
4.	S0MJ4	Planning of Public transport	(S00) Traffic and Transport Engineering, Master Academic Studies
5.	S1I591	Traffic Forecasts	(S01) Postal Traffic and Telecommunications, Master Academic Studies
6.	SOP2	Transportation Demand Management	(S00) Traffic and Transport Engineering, Master Academic Studies
7.	DSIM1	Traffic Planning	(S00) Traffic Engineering, Doctoral Academic Studies
8.	DSSK3A	Research and simulation of road traffic flow	(S00) Traffic Engineering, Doctoral Academic Studies
9.	DSSK4	Urban planning and development of transport networks	(S00) Traffic Engineering, Doctoral Academic Studies
10.	DSSK6	Maintainable urban transport systems	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Valentina Basarić "Efekti primene zone 30 na bezbednost saobraćaja u gradovima", Simpozijum "Prevencija saobraćajnih nezgoda na putevima 2006", Novi Sad, Institut za ssaobraćaj Fakulteta tehničkih nauka Novi Sad, oktobar 2006, ISBN 86-7892-008-4, UDK:656.01
2.	Ratomir Vračarević, Valentina Basarić "Uticaj naplate parkiranja na vidovnu raspodelu radnih putovanja", Tehnika 3-separat saobraćaj 2007, YU ISSN 0040-2176, UDK:625.025.4.033.9=861
3.	Valentina Basarić "Održiva mobilnost i savremene strategije upravljanja saobraćajem u gradovima", I Savetovanje "Savremene tendencije unapređenja saobraćaja u gradovima"Novi Sad, 18-19 oktobar 2007., ISBN 978-86-7892-083-7, UDK:656.01
4.	Planiranje saobraćaja-praktikum sa zbirkom zadataka
5.	Planiranje saobraćaja-praktikum sa zbirkom zadataka
6.	Ratomir Vračarević, Valentina Basarić "Vidovna raspodela: formalizacija ili strategija", TES 2002, 5.Savetovanje o tehnikama regulisanja saobraćaja, Sombor 2002.
7.	V.Basarić, "Bezbednost dece u saobraćaju inteziviranjem akcija lokalne uprave i sistema obrazovanja" IX simpozijum sa međunarodnim učešćem 2Prevencija saobraćajnih nezgoda na putevima 2008", Novi Sad, 23 i 24 oktobar 2008, ISBN 978-86-7892-149-0
8.	Basarić, V., Jović, J., 2011. Target modal split mode, Transport, Print ISSN:1648-4142, Online ISSN:1648-3480
9.	Model upravljanja raspodelom putovanja na vidove prevoza u funkciji održivog razvoja, Fakultet tehničkih nauka Novi Sad, 2010
10.	Uticaj sistema parkiranja na raspodelu putovanja po vidovima saobraćaja, Fakultet tehničkih nauka Novi Sad, 2006

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	0			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Bogdanović Z. Vuk
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.02.1993
Scientific or art field:	Traffic Planning, Regulation and Safety

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Traffic Planning, Regulation and Safety
PhD thesis	2005	Faculty of Technical Sciences - Novi Sad	Traffic Systems
Magister thesis	1998	Faculty of Technical Sciences - Novi Sad	Traffic Systems
Bachelor's thesis	1991	Faculty of Technical Sciences - Novi Sad	Traffic Systems

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	S0432	Traffic Flow Theory	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(G00) Civil Engineering, Undergraduate Academic Studies
2.	S0434	Traffic Regulation and Control	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
3.	S0439	Road Capacity	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
4.	S051	Traffic Design	(S00) Traffic and Transport Engineering, Master Academic Studies
5.	S0I592	Project Evaluation	(S00) Traffic and Transport Engineering, Master Academic Studies
6.	SOP2	Transportation Demand Management	(S00) Traffic and Transport Engineering, Master Academic Studies
7.	DSIM4	Methods in Traffic Infrastructure Management	(S00) Traffic Engineering, Doctoral Academic Studies
8.	DSSK3A	Research and simulation of road traffic flow	(S00) Traffic Engineering, Doctoral Academic Studies
9.	DSSK4	Urban planning and development of transport networks	(S00) Traffic Engineering, Doctoral Academic Studies
10.	DSSK6	Maintainable urban transport systems	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Teorija saobraćajnog toka, Fakultet tehničkih nauka, Novi Sad, 2004.
2.	Kapacitet putnih i uličnih ukrštanja-prioritetne raskrsnice (novi koncept), Fakultet tehničkih nauka, Novi Sad, 2002
3.	Prilog proučavanju kapaciteta i nivoa usluge na trokrakim i kružnim prioritetnim raskrsnicama po novom konceptu
4.	Prilog definisanju relevantnih parametara saobraćajnog toka za potrebe vrednovanja rekonstrukcije signalisanih raskrsnica
5.	Tanackov I., Bogdanović V., Tepić J., Sremac S., Ruškić N.: The Application of Artifical Intelligence Hybrid in Traffic Flow, Heidelberg, Springer, Heidelberg, 2011, str. 83-90, ISBN 0302-9743, UDK: 978-3-642-21219-2_12
6.	Bogdanović V., Milutinović N., Kostić S., Ruškić N.: Research of the Influences of Input Parameters on the Result of Vehicles Collisions Simulation, Promet - Traffic
7.	Bogdanović V., Dadić I., Papić Z., Ruškić N.: Procedure for Safe Distance Determination for Minor Movement Accomplishing at Unsignalized Intersections, Promet - Traffic
8.	Papić Z., Bogdanović V., Raković M.: Analyze of Changes in Exterior Dimensions of Cars During Collison with Fixed Barriers, Mobility
9.	Bogdanović V., Papić Z., Ruškić N., Jeftić A.: Vehicle Speed Characteristics at Signalized Intersections Approaches, Suvremeni promet, 2011, Vol. 31, No 3-4, pp. 196-200, ISSN 0351-1898
10.	Bogdanović V., Papić Z., Ruškić N., Basarić V., Jusufranić J.: Analysis of Traffic Conditions Influence on Capacity of Unsignalized Intersection Approach, Suvremeni promet, 2011, Vol. 31, No 3-4, pp. 257-262, ISSN 0351-1898

Summary data for teacher's scientific or art and professional activity:			
Quotation total :	0		
Total of SCI(SSCI) list papers :	4		
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Budinski-Petković M. Ljuba
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.1989
Scientific or art field:	Physics

Academic carieer	Year	Institution	Field
Academic title election:	2009		Physics
PhD thesis	1998	Faculty of Sciences - Novi Sad	Physics
Magister thesis	1996	Faculty of Physics - Beograd	Physics
Bachelor's thesis	1988	Faculty of Sciences - Novi Sad	Physics

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	E215	Physics	(E20) Computing and Control Engineering, Undergraduate Academic Studies
2.	H101	Physics	(F10) Engineering Animation, Undergraduate Academic Studies
			(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(H00) Mechatronics, Undergraduate Academic Studies
3.	IAFI01	Colors and Light	(F10) Engineering Animation, Undergraduate Academic Studies
4.	BMI93	Physics	(BM0) Biomedical Engineering, Undergraduate Academic Studies
5.	DZ01FS	Selected Chapters in Physics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
6.	DZ01F	Selected Chapters in Physics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
			(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F00) Graphic Engineering and Design, Doctoral Academic Studies
			(G00) Civil Engineering, Doctoral Academic Studies
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(M40) Technical Mechanics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies
			(Z00) Environmental Engineering, Doctoral Academic Studies
			(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Budinski-Petković Lj., Lončarević I., Petkovic M., Jaksic Z., Vrhovac S.: Percolation in random sequential adsorption of extended objects on a triangular lattice, Physical Review E, 2012, Vol. 85, No 061117, pp. 1-8
2.	Šćepanović J., Lončarević I., Budinski-Petković Lj., Jakšić Z., Vrhovac S.: Relaxation properties in a diffusive model of k-mers with constrained movements on a triangular lattice, Physical Review E, 2011, Vol. 84, No 031109, pp. 1-13
3.	Budinski-Petković Lj., Lončarević I., Jakšić Z., Vrhovac S., Švrakić N.: Simulation study of anisotropic random sequential adsorption of extended objects on a triangular lattice, Physical Review E, 2011, Vol. 84, No 5, pp. 5160-1

	Representative refferences (minimum 5, not more than 10)
4.	Lončarević I., Budinski-Petković Lj., Vrhovac S., Belić A.: Generalized random sequential adsorption of polydisperse mixtures on a one-dimensional lattice, Journal of Statistical Mechanics: Theory and Experiment, 2010, ISSN 1742-5468
5.	Lončarević I., Budinski-Petković Lj., Vrhovac Lj., Belić A.: Adsorption, desorption, and diffusion of k-mers on a one-dimensional lattice, Physical Review E, 2009, Vol. 80, No 2
6.	Budinski-Petković Lj., Vrhovac S., Lončarević I.: Random sequential adsorption of polydisperse mixtures on discrete substrates, Physical Review E, 2008, Vol. 78, No 061603, pp. 1-7
7.	Lončarević I., Budinski-Petković Lj., Vrhovac S.: Simulation study of random sequential adsorption of mixtures on a triangular lattice , The European Physical Journal E, 2007, Vol. 24, pp. 19-26, ISSN 1292-8941
8.	Lončarević I., Budinski-Petković Lj., Vrhovac S.: Reversible random sequential adsorption of mixtures on a triangular lattice, Physical Review E, 2007, Vol. 76, No 031104, pp. 1-9
9.	Arsenović D., Vrhovac S., Jakšić Z., Budinski-Petković Lj., Belić A.: Simulation study of granular compaction dynamics under vertical tapping, Physical Review E, 2006, Vol. 74
10.	Lj. Budinski-Petković and S. B. Vrhovac: Memory effects in vibrated granular systems: Response properties in the generalized random sequential adsorption model, The European Physical Journal E, 2005, Vol. 16, pp. 89-96, ISSN 1292-8941

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	75			
Total of SCI(SSCI) list papers :	30			
Current projects :	Domestic :	1	International :	1

Science, arts and professional qualifications

Name and last name:	Doroslovački D. Rade
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.1978
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	2000	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1989	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1984	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1976	Faculty of Sciences - Novi Sad	Mathematical Sciences

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	E213	Discrete Mathematics and Linear Algebra	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	E101	Discrete Mathematics	(ES0) Power Software Engineering, Undergraduate Academic Studies
3.	E101A	Discrete Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
4.	IM1523	Discrete Mathematics	(M30) Energy and Process Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1706	Actuerial Mathematics	(I20) Engineering Management, Undergraduate Academic Studies
6.	SE0009	Discrete Mathematics	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
7.	0M503	Combinatorics and Graph Theory	(OM1) Mathematics in Engineering, Master Academic Studies
8.	0M509	Applied Abstract Algebra	(OM1) Mathematics in Engineering, Master Academic Studies
9.	0M511	Geometry	(OM1) Mathematics in Engineering, Master Academic Studies
10.	0ML503	Combinatorics and Graph Theory	(OM1) Mathematics in Engineering, Master Academic Studies
11.	0ML509	Applaid Abstract Algebra	(OM1) Mathematics in Engineering, Master Academic Studies
12.	0ML511	Geometry	(OM1) Mathematics in Engineering, Master Academic Studies
13.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
14.	OM519	Actuerial Mathematics	(OM1) Mathematics in Engineering, Master Academic Studies
15.	OML519	Actuerial Mathematics	(OM1) Mathematics in Engineering, Master Academic Studies

	ID	Course name	Study programme name, study type
List of courses being held by the teacher in the accredited study programmes			
16.	D0M08	Applied Abstract Algebra	(OM1) Mathematics in Engineering, Doctoral Academic Studies
17.	D0M17	Combinatorics	(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	D0M20	Graph Theory	(OM1) Mathematics in Engineering, Doctoral Academic Studies
19.	D0M34	Actuarial Mathematics	(OM1) Mathematics in Engineering, Doctoral Academic Studies
20.	DOM31	Combinatorial Matrix Theory	(OM1) Mathematics in Engineering, Doctoral Academic Studies
21.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. R. Doroslovački, R. Tošić and I. Stojmenović: Generating and counting triangular system, BIT: 27(1987) 18-24, Kobenhavn, R 54

2. R. Doroslovački , R . Tošić i J. Gutman: Topological properties of benzenoid systems, XXXVIII, the boundary code, Match in mathematical chemistry (19) (219-228) Max- Plank-Institut fur Stranhlenchemije, Mulheim (1986)

3. Rade Doroslovački: Binary Sequences without 01...10, Matematički vesnik, Mathematical Society of Serbia, 46 (1994), 93-98.

4. Rade Doroslovački: On binary n-words with forbidden 4-subwords, (1997/01) Novi Sad Juornal of Mathematics.

5. R. Doroslovački, J. Pantović, G.Vojvodić: Note on Itersection of Maximal Clones, (1998/02) Novi Sad, Journal of Mathematics.

6. R. Doroslovački, J. Pantović, G. Vojvodić: Classification of Maps by their Membership in Maximal Clones that contain Minimum and Complement, Matematički vesnik,, Mathematical Society of Serbia, 51, (1999), 21-28

7. Rade Doroslovački, Jovanka Pantović and Gradimir Vojvodić: One Interval in the Lattice of Partial Hyperclones, Czechoslovaka Mathematical Journal, 55 (130),2005, 719-724, (R52)

8. O. Bodroža-Pantić, R. Doroslovački, K. Doroslovački, AN ELEMENTARY PROOF OF A THEOREM CONCERNING THE DIVISION OF A REGION INTO TWO," in Rocky Mountain Journal of Mathematics, Vol. 37, No.5, 2007, R 52

9. O. Bodroža-Pantić, R. Doroslovački, The Gutman formulas for algebraic structure count, Journal of Mathematical Chemistrz Vol.35,No.2, Februar 2004, R 51.

10. Ratko Tošić, Gradimir Vojvodić, Dragan Mašulović, Rade Doroslovački, Jovanka Rosić: Two examples of relative completeness, Multiple Valued Logic, An International Journal (Journal of Multiple-Valued Logic and Soft Computing), (1996), Vol. 2, pp. 67-78.

Summary data for teacher's scientific or art and professional activity:

Quotation total :	60			
Total of SCI(SSCI) list papers :	5			
Current projects :		Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:			Folić J. Radomir	
Academic title:			Emeritus Professor	
Name of the institution where the teacher works full time and starting date:			Faculty of Technical Sciences - Novi Sad	
			01.03.1980	
Scientific or art field:			Constructions in Civil Engineering	
Academic carieer	Year	Institution		Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad		Constructions in Civil Engineering
PhD thesis	1983	Faculty of Civil Engineering - Beograd		Theory of Construction
Magister thesis	1974	Faculty of Civil Engineering - Zagreb		Theory of Construction
Bachelor's thesis	1963	Faculty of Civil Engineering - Beograd		Constructions in Civil Engineering

List of courses being held by the teacher in the accredited study programmes				
	ID	Course name		Study programme name, study type
1.	A002S	Scientific Research Method		(A00) Architecture, Specialised Academic Studies
				(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
				(GI0) Geodesy and Geomatics, Specialised Academic Studies
				(I12) Industrial Engineering, Specialised Academic Studies
				(I22) Engineering Management, Specialised Academic Studies
				(Z00) Environmental Engineering, Specialised Academic Studies
2.	GG505	Concrete Bridges		(G00) Civil Engineering, Master Academic Studies
3.	GS015	Scientific Research Method		(G10) Energy Efficiency in Buildings, Specialised Academic Studies
4.	A120S	Proces, principi i tehnike naučnog istraživanja-odabrana poglavlja		(A00) Architecture, Specialised Academic Studies
5.	GG531	Odabrana poglavlja zidanih konstrukcija		(G00) Civil Engineering, Master Academic Studies
6.	DGI002	Selected Chapters in Engineering Geodesy		(GI0) Geodesy and Geomatics, Doctoral Academic Studies
7.	DZ001	Scientific Research Method		(A00) Architecture, Doctoral Academic Studies
				(AS0) Scenic Design, Doctoral Academic Studies
				(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
				(E20) Computing and Control Engineering, Doctoral Academic Studies
				(F00) Graphic Engineering and Design, Doctoral Academic Studies
				(F20) Engineering Animation, Doctoral Academic Studies
				(G00) Civil Engineering, Doctoral Academic Studies
				(GI0) Geodesy and Geomatics, Doctoral Academic Studies
				(H00) Mechatronics, Doctoral Academic Studies
				(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
				(M00) Mechanical Engineering, Doctoral Academic Studies
				(M40) Technical Mechanics, Doctoral Academic Studies
				(OM1) Mathematics in Engineering, Doctoral Academic Studies
				(S00) Traffic Engineering, Doctoral Academic Studies
				(Z00) Environmental Engineering, Doctoral Academic Studies
				(Z01) Safety at Work, Doctoral Academic Studies
8.	A120	Proces, principi i tehnike naučnog istraživanja - odabrana poglavlja(uneti naziv na engleskom)		(A00) Architecture, Doctoral Academic Studies
9.	GD027	Process, principles and techniques of scientific research - selected chapters		(G00) Civil Engineering, Doctoral Academic Studies
Representative refferences (minimum 5, not more than 10)				

	Representative refferences (minimum 5, not more than 10)
1.	Folić, R. (1983): Spojevi i veze montažnih betonskih zgrada. U knjizi Montažni građevinski objekti, (Ed. B. Žeželj, A.Flašar) Ekonomika, Beograd, str. 117-167. (9 autorskih tabaka)
2.	Folić, R. (1983): Statika konstrukcija - Zbirka rešenih zadataka. FTN IIG, Novi Sad, str. 1-486. II izdanje (1987). III izdanje Građevinska knjiga, Beograd (1991).
3.	Folić, R., Tatomirović, M. (1999): Spregnute betonske konstrukcije-I deo. Građevinski kalendar, 1999. str. 289-386; II deo, Građevinski kalendar, 2001, str. 217-290
4.	Folić, R. (1991): Classification of damage and its causes as applied to precast concrete buildings. Material and Structures. RILEM - Journal, Chapman & Hall, Vol. 24, pp. 276-285.
5.	Folić, R., Ivanov, D. (1991): In situ behaviour of concrete structures deterioration of concrete, influence of earthquake and a fire in Diagnosis of Concrete Structures - State of the Art Report, Ed. by T. Javor, Expertcentrum, Bratislava, pp. 135-146.
6.	Folić, R. (1985): Analiza aktivne širine ploče i graničnih stanja kod elemenata od armiranog i prethodno napregnutog betona. FTN IIG Posebno izdanje 7, Novi Sad, str. 1-193.
7.	Folić, R., Radonjanin, V. (1998): Experimental research on polymer modified concrete, Materials Journal, ACI, VOL. 95 No. 4, July/August 1998, pp.463-470.
8.	Folić, R. (1991): A classification of damage to concrete buildings in earthquakes, illustrated by examples. Material and Structures, RILEM - Journal, Chapman & Hall, Vol. 24, pp. 286-292.
9.	Javor, T., Naus, D.J., Folić, R., Zakić, B.: (1992): Diagnosis of Concrete Structures. RILEM - Journal Materials and Structures, Chapman & Hall, Vol. 25, pp. 437-440.
10.	Folić, R., Radonjanin, V. (1998): Experimental research on polymer modified concrete, Materials Journal, ACI, VOL. 95 No. 4, July/August 1998, pp.463-470.

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	11			
Total of SCI(SSCI) list papers :	8			
Current projects :	Domestic :	2	International :	1

Science, arts and professional qualifications

Name and last name:		Gilezan K. Silvia	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.04.1984	
Scientific or art field:		Mathematics	

Academic carieer	Year	Institution	Field
Academic title election:	2005	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1993	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1988	Faculty of Mathematics - Beograd	Mathematical Sciences
Bachelor's thesis	1981	Faculty of Sciences - Novi Sad	Mathematical Sciences

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	GH404	Mathematical Statistics	(G00) Civil Engineering, Master Academic Studies
			(G00) Civil Engineering, Undergraduate Academic Studies
2.	GI303B	Probability and Mathematical Statistics	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
3.	IAM003	Formal Mathematical Models	(F10) Engineering Animation, Undergraduate Academic Studies
4.	S011	Mathematics 1	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
5.	Z203	Statistical Methods	(Z01) Safety at Work, Undergraduate Academic Studies
			(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
6.	IM1012	Probability and Statistics	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
7.	0M506	Semantics of Programming Languages	(OM1) Mathematics in Engineering, Master Academic Studies
8.	0M507	Logic in Computer Science	(OM1) Mathematics in Engineering, Master Academic Studies
9.	0M513	Introduction to Functional Programming Languages	(OM1) Mathematics in Engineering, Master Academic Studies
10.	0ML506	Semantics of programming languages	(OM1) Mathematics in Engineering, Master Academic Studies
11.	0ML507	Logic in computer science	(OM1) Mathematics in Engineering, Master Academic Studies
12.	0ML513	Introduction to Functional Programming Languages	(OM1) Mathematics in Engineering, Master Academic Studies
13.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
14.	GH404	Mathematical Statistics	(G00) Civil Engineering, Master Academic Studies
			(G00) Civil Engineering, Undergraduate Academic Studies
15.	SD0M06	Logic in Computer Science	(GI0) Geodesy and Geomatics, Specialised Academic Studies

	List of courses being held by the teacher in the accredited study programmes		
	ID	Course name	Study programme name, study type
16.	MPK001	Statistical and Numerical Methods	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies
17.	D0M05	Semantics of Programming Languages	(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	D0M06	Logic in Computer Science	(OM1) Mathematics in Engineering, Doctoral Academic Studies
19.	D0M11	Models of Computation	(OM1) Mathematics in Engineering, Doctoral Academic Studies
20.	D0M12	Introduction to Functional Programming Languages	(OM1) Mathematics in Engineering, Doctoral Academic Studies
21.	D0M13	Theory of Mobile Processes	(OM1) Mathematics in Engineering, Doctoral Academic Studies
22.	D0M14	Process Algebra	(OM1) Mathematics in Engineering, Doctoral Academic Studies
23.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies
24.	AID05	Theory of Mobile Processes	(F20) Engineering Animation, Doctoral Academic Studies

	Representative refferences (minimum 5, not more than 10)
1.	"Inhabitation in lambda calculus with intersection and union types", Journal of Logic and Computation 6 (1993) 671-685, Oxford University Press
2.	"Characterizing strong normalization in the Curien-Herbelin symmetric lambda calculus: extending the Coppo-Dezani heritage, (sa D.Dougherty, P.Lescanne) Theoretical Computer Science 2007
3.	"Separating Points by Parallel Hyperplanes " (sa J. Pantovic, J. Zunic), IEEE Transactions of Neural Networks 18(5) (2007) 1356-1363
4.	"Lambda terms for natural deduction, sequent calculus and cut elimination" (sa H.P.Barendregt), Journal of Functional Programming, 10 (2000) 121-134.
5.	"Confluence of untyped lambda calculus via simple types" (with V.Kuncak), ICTCS"01, Lecture Notes in Computer Science 2201, 38-49.
6.	"Full intersection types and topologies in lambda calculus", Journal of Computer and System Sciences, 62 (2001) 1-14.
7.	"Behavioural inverse limit lambda models" (sa M. Dezani-Ciancaglini, S. Likavec), Theoretical Computer Science Vol 316/1-3 (2004) 49-74.
8.	"Strong normalization of the classical sequent calculus" (sa D. Dougherty, P. Lescanne, S.Likavec), Lecture Notes in Computer Science 3835 (2005) 169-183.
9.	"Security types for dynamic web data" (sa M.Dezani-Ciancaglini, J. Pantovic), Trustworthy Global Computing, TGC"06, Lecture Notes in Computer Science 4661 (2007) 263-280.
10.	Zbirka rešenih zadataka iz statistike (sa Z.Lužanin, Z.Ovcin, Lj.Nedović, T.Grbić, B.Mihailović) 2005

Summary data for teacher's scientific or art and professional activity:	
Quotation total :	325

Total of SCI(SSCI) list papers :	17			
Current projects :	Domestic :	2	International :	4

Science, arts and professional qualifications

Name and last name:	Gladović V. Pavle
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.02.2000
Scientific or art field:	Transport System Technologies

Academic carieer	Year	Institution	Field
Academic title election:	2005	Faculty of Technical Sciences - Novi Sad	Transport System Technologies
PhD thesis	1994	Faculty of Transport and Traffic Engineering - Beograd	Transport System Technologies
Magister thesis	1986	Faculty of Transport and Traffic Engineering - Beograd	Transport System Technologies
Bachelor's thesis	1975	Faculty of Transport and Traffic Engineering - Beograd	Transport System Technologies

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	S0322	Road Traffic Technology	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
2.	S0327	Organization of Road Traffic	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
3.	S0I593	System of Public Transportation of Goods	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
4.	S0I591	Quality System in Road Transport	(S00) Traffic and Transport Engineering, Master Academic Studies
5.	LIM10	Transport Technologies I	(LIM) Logistic Engineering and Management, Master Academic Studies
6.	S0MJ1	Informacioni sistemi u drumskom transportu	(S00) Traffic and Transport Engineering, Master Academic Studies
7.	S0MJ4	Planning of Public transport	(S00) Traffic and Transport Engineering, Master Academic Studies
8.	SDI6	Optimization of the Goods Transportation Process	(OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies
9.	SDI7	Passenger Transport Process Optimization	(S00) Traffic Engineering, Doctoral Academic Studies
10.	DSSK6	Maintainable urban transport systems	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Pavle Gladović, Tehnologija drumskog saobraćaja, FTN, Novi Sad 2003
2.	Pavle Gladović, Zbirka rešenih zadataka iz tehnologije drumskog transporta, Izdavačko preduzeće PC Program, d.o.o., Beograd 2000
3.	Pavle Gladović, Milan Simeunović, Sistemi javnog autotransporta robe, FTN, Novi Sad 2004
4.	Pavle Gladović, Tarifna politika u javnom gradskom putničkom prevozu, Izdavačko preduzeće PC Program, d.o.o., Beograd 1995
5.	Pavle Gladović, Stanislav Glumac, Srećko Žeželj, Srećko Nijemčević, Projektovanje, proizvodnja i eksploatacija autobusa, IKARBUS a.d. Beograd 2002
6.	Pavle Gladović, Nebojša Bojović, Milomir Veselinović, Nova logistika u oblasti javnog gradskog putničkog prevoza u jugoslovenskim gradovima, Tehnika 5, 1999. god. str. 218-223
7.	Pavle Gladović, Milorad Eskić, Milan Simeunović, Geometrijski model upravljanja procesom preventivnog održavanja fuzzy logikom, Tenika 4-5, 2003. god. str.7-17
8.	Pavle Gladović, Milica Miličić, Milan Simeunović, Kvalitet usluge u drumskom transportu, Tehnika 3, 2004, str. 113-120
9.	P. Gladović, N. J. Bojović, A methodology for introducing new types of tickets in an urban public transport network, International Journal of Transport Economics, Vol. XXVII-No. 3, str. 381-399, Roma october 2000
10.	Pavle Gladović, Mileta Goršić, Drago Tošić, Troškovni model linija sa kategorizacijom linija u sistemu javnog masovnog transporta putnika, Novi Sad 2007. god.

Summary data for teacher's scientific or art and professional activity:	
Quotation total :	3

Total of SCI(SSCI) list papers :	15			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:		Grahovac M. Nenad	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		29.12.2004	
Scientific or art field:		Mechanics	
Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Mechanics
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Mechanics
Magister thesis	2005	Faculty of Technical Sciences - Novi Sad	Continuum Mechanics
Bachelor's thesis	2002	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	A207	Mechanics	(A00) Architecture, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
2.	E104	Mechanics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
3.	GG07	Mechanics 1	(G00) Civil Engineering, Undergraduate Academic Studies
4.	H112	Mechanics 1 – Fundamentals	(H00) Mechatronics, Undergraduate Academic Studies
			(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
5.	H201	Mechanics 2 - General	(H00) Mechatronics, Undergraduate Academic Studies
6.	H303	Mechatronics 3 – Further Chapters	(H00) Mechatronics, Undergraduate Academic Studies
7.	M204	Strength of Materials	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
			(M30) Energy and Process Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
8.	M4401	Continuum mechanics	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
9.	BMI127	Biomechanics	(BM0) Biomedical Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
10.	II1004	Mechanics and Industrial Engineering	(I10) Industrial Engineering, Undergraduate Academic Studies
11.	M44041	Dynamics of non-smooth mechanical systems	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
12.	M44061	Optimization of mechanical systems	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
13.	BMIM4A	Transport phenomena and Living systems	(BM0) Biomedical Engineering, Master Academic Studies
14.	M45991	Biomechanics of cardiovascular system	(M40) Technical Mechanics and Technical Design, Master Academic Studies
15.	SZD051	Applications of optimal control theory in living environment protection	(Z00) Environmental Engineering, Specialised Academic Studies
16.	DM801	Biomedical mechanics	(M40) Technical Mechanics, Doctoral Academic Studies
17.	DTM02	Theory of impact	(H00) Mechatronics, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(M40) Technical Mechanics, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies

	List of courses being held by the teacher in the accredited study programmes		
	ID	Course name	Study programme name, study type
18.	DTM03	Biomechanical models and analysis of impact	(M40) Technical Mechanics, Doctoral Academic Studies
19.	ZRD16A	Selected chapters in mechanics and elasticity theory	(Z01) Safety at Work, Doctoral Academic Studies

	Representative refferences (minimum 5, not more than 10)
1.	Grahovac N., Žigić M., Spasić D.: On impact scripts with both fractional and dry friction type of dissipation, INT J BIFURCAT CHAOS, 2012, Vol. 22, No 4, pp. 1-10, ISSN 0218-1274
2.	Grahovac N., Žigić M.: Modelling of the hamstring muscle group by use of fractional derivatives, Computers and Mathematics with Apllications, 2010, Vol. 59, No 5, pp. 1695-1700, ISSN 0898-1221.
3.	Glavardanov V., Maretić R., Grahovac N.: Buckling of a twisted and compressed rod supported by Cardan joints , European Journal of Mechanics - A: Solids, 2009, Vol. 28, pp. 131-140, ISSN 0997-7538
4.	N. M. Grahovac, M. M. Zigić, and D. T. Spasić: On multiple impacts with fractional type of dissipation, 1st International Congress of Serbian Society of Mechanics, Beograd: Serbian Society of Mechanics, 10-13 April, 2007, str. 173- 180
5.	Grahovac N., Žigić M: Fractional derivative viscoelastic model of the hamstring muscle group, 3rd IFAC Workshop on Fractional Differentiation and its Applications, Ankara, Turkey: 05-07 november, 2008
6.	Žigić M., Grahovac N.: Dynamical behavior of a polymer gel during impact. Fractional derivative viscoelastic model, 3. International Congress of Serbian Society of Mechanics, Vlasinsko jezero, 5-8 Jul, 2011, pp. 871-878, ISBN 978-86-909973-3-6, UDK: 531/534(082)
7.	Grahovac N., Žigić M., Spasić D.: On impact scripts with both fractional and dry friction type of dissipation, 4. IFAC Workshop on Fractional Differentiation and Its Applications, Badajoz, 18-20 Oktobar, 2010
8.	Grahovac N.: Generalized Zener model in the analysis of free vibration of a viscoelastic oscillator, 2. International Congress of Serbian Society of Mechanics, Palić: Serbian Society of Mechanics, 1-5 Jun, 2009, pp. 145-153, ISBN 978-86-7892-173-5, UDK: 531/534(082)
9.	Žigić M., Grahovac N., Spasić D.: A simplified earthquake dynamics of a column like structure with fractional type of dissipation , 1. International Congress of Serbian Society of Mechanics, Kopaonik: Serbian Society of Mechanics, 10-13 April, 2007, pp. 165-172, ISBN 978-86-909973-0-5, UDK: 531/534(082)
10.	Kovinčić N., Žigić M., Grahovac N., Spasić D.: On Impact in Biomechanical Systems, International scientific conference on mechanics, 6. International Scientific Conference on Mechanics - Sixth Polyakhov`s Reading, Saint Petersburg, 31-3 Januar, 2012, pp. 251-251, ISBN 978-5-91563-101-3

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	5			
Total of SCI(SSCI) list papers :	3			
Current projects :		Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:		Grbić P. Tatjana	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		15.12.1995	
Scientific or art field:		Mathematics	
Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	2008	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1999	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1993	Faculty of Sciences - Novi Sad	Mathematical Sciences

	List of courses being held by the teacher in the accredited study programmes		
	ID	Course name	Study programme name, study type
1.	E135	Probability, Statistics and Stochastic Processes	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E212	Mathematical Analysis 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	GI303B	Probability and Mathematical Statistics	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
4.	Z104	Mathematics 1	(Z01) Safety at Work, Undergraduate Academic Studies
			(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
			(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
5.	Z203	Statistical Methods	(Z01) Safety at Work, Undergraduate Academic Studies
			(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
6.	BMI91	Mathematics 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies
7.	BMI92	Mathematics 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies
8.	IA001	Algebra	(F10) Engineering Animation, Undergraduate Academic Studies
9.	IA002	Mathematical Analysis	(F10) Engineering Animation, Undergraduate Academic Studies
10.	P216	Numerical Analysis	(P00) Production Engineering, Undergraduate Academic Studies
11.	S01361	Business decision making	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
12.	0M505	Stochastic Processes	(OM1) Mathematics in Engineering, Master Academic Studies
13.	0ML505	Stochastic Processes	(OM1) Mathematics in Engineering, Master Academic Studies

	ID	Course name	Study programme name, study type
List of courses being held by the teacher in the accredited study programmes			
14.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (Z00) Environmental Engineering, Specialised Academic Studies
15.	ZR503	Statistical Advanced Models	(Z01) Safety at Work, Master Academic Studies
16.	MPK001	Statistical and Numerical Methods	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies
17.	SDOM30	Probability, Statistics and Theory of Engineering Experiment	(Z00) Environmental Engineering, Specialised Academic Studies
18.	D0M01	Functional Analysis 1	(OM1) Mathematics in Engineering, Doctoral Academic Studies
19.	D0M07	Mathematical Foundations of Fuzzy Systems	(OM1) Mathematics in Engineering, Doctoral Academic Studies
20.	D0M19	Functional Analysis 2	(OM1) Mathematics in Engineering, Doctoral Academic Studies
21.	D0M21	Fuzzy Systems and Their Applications	(OM1) Mathematics in Engineering, Doctoral Academic Studies
22.	D0M50	Fuzzy Measures and Integrals	(OM1) Mathematics in Engineering, Doctoral Academic Studies
23.	D0M51	Large Deviations Principles	(OM1) Mathematics in Engineering, Doctoral Academic Studies
24.	D0M52	Random Sets	(OM1) Mathematics in Engineering, Doctoral Academic Studies
25.	D0M53	Statistical Processing of Fuzzy Data	(OM1) Mathematics in Engineering, Doctoral Academic Studies
26.	DOM30	Probability, Statistics and Theory of Engineering Experiment	(M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies
27.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Ralević, N.M., Nedović, Lj., Grbić, T., :"The pseudo-linear superposition principle for nonlinear partial differential equations and representation of their solution by the pseudo-integral", Fuzzy sets and systems, 2005, No.155, 89-101

	Representative refferences (minimum 5, not more than 10)
2.	Nedović, Lj., Ralević, N. M., Grbić, T.,: " Large deviation principle with generated pseudo measures", Fuzzy sets and systems, 2005, No. 105, 65-76
3.	Štajner-Papuga, I., Grbić, T., Dankova, M., "Pseud-Riemann-Stieltjes integral ", Information Sciences 179, 2009, 2923-2933
4.	M. Štrboja, T. Grbić, I. Štajner-Papuga, G. Grujić, S. Medić, Jensen and Chebyshev inequalities for pseudo-integrals of set-valued functions, FSS, doi:10.101016/j.fss.2012.07.011
5.	Grbić, T., Pap, E., : "Generalization Of Portamnteau theorem with respect to the pseudo-weak convergence of random closed sets", Theory of Probability and its Applications, 2009, 97-115
6.	T. Grbić, I. Štajner-Papuga, M. Štrboja, an approach to pseudo-integration of set-valued functions, Information Sciences 181 (2011), 2278-2292
7.	T. Grbić, S. Medić, I. Štajner-Papuga, T. Došenović, Inequalities of Jensen and Chebyshev type for interval-valued measures based on pseudo-integrals. In: Intelligent Systems: Models and Applications, E. Pap, Ed., Springer-Verlag, pp 23-41, DOI:10.1007/978-3-642-33959-2_2
8.	Štajner-Papuga, I., Grbić, T., Dankova, M., "Riemann-Stieltjes type integral based on generated pseudo-operations", NS J. Mathe., Vol. 36, No. 2, 111-124
9.	Nedović, Lj., Grbić, T., "The pseudo-probability", Journal of Electrical Engineering, 2002, Vol. 53, No. 12/s, 27-30
10.	Mihailović, B., Nedović, T., Grbić, T., "The induced Sugeno integral-based operator w.r.t. bi-fuzzy measures", Journal of Electrical engineering, Vol. 54, No. 12/s, 76-79

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	17			
Total of SCI(SSCI) list papers :	6			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:	Groznik F. Aleš
Academic title:	Guest Professor
Name of the institution where the teacher works full time and starting date:	-
Scientific or art field:	Integral Transport and Logistics

Academic carieer	Year	Institution	Field
Academic title election:	2009		Integral Transport and Logistics
PhD thesis	2001	University of Ljubljana - Ljubljana	Economic Science
Magister thesis	1998	University of Ljubljana - Ljubljana	Economic Science
Magister thesis	1996	University of Ljubljana - Ljubljana	Electrical and Computer Engineering
Bachelor's thesis	1993	University of Ljubljana - Ljubljana	Electrical and Computer Engineering

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	LIM22	Logistic Controlling and Benchmarking	(LIM) Logistic Engineering and Management, Master Academic Studies
2.	DSIM9	E-logistics	(S00) Traffic Engineering, Doctoral Academic Studies
3.	DSN1	Logistics Systems	(OM1) Mathematics in Engineering, Doctoral Academic Studies
4.	DSSL4	Logistics information systems	(S00) Traffic Engineering, Doctoral Academic Studies
5.	DSSO2	Logistic systems	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	A. Kovačić, A. Groznik i M. Ribič: Temelji elektronskega poslovanja; Ljubljana, Ekonomski fakultet, 2005, 305 str. ISBN: 961-240-067-9
2.	A. Kovačić, J. Jaklič, M.I. Štemberger, A. Groznik: Prenova in informatizacija poslovanja; Ljubljana, Ekonomski fakultet, 2004. 345 str. ISBN: 961-240-009-1
3.	P. Trkman, M.I. Štemberger, J. Jaklič i A. Groznik: Process approach to supply chain integration; Supply Chain Management, vol. 12. no. 2, pp. 116-128, 2007, ISSN 1359-8546
4.	A. Groznik, A. Kovačič i P. Trkman: The Role of Business Renovation and Informatization in E-government; Journal of Computer Information Systems, fall 2008
5.	A. Groznik: E-logistics: informatization of Slovenian transport logistics cluster. Management, Apr. 2005, vol. 10, no. 1, pp. 93-105. ISSN 1331-0194
6.	J. Jaklic, P. Trkman, A. Groznik, M.I. Stemberger: Enhancing lean supply chain maturity with business process management Zbornik radova-Fakultet organizacije i informatike, Varaždin, 2006, vol. 30, no. 2, str. 205-223, ISSN 0351-1804
7.	A. Kovačić, A. Groznik: Process renovation: the case of e-logistics . Tehnicki vjesnik-Fakultet za strojarstvo, Osijek, 2006, vol. 13, no. 3/4, str. 3-11. ISSN 1330-3651
8.	P. Trkman, A. Groznik: Measurement of supply chain integration benefits; Interdisciplinary journal of information, knowledge, and management, 2006, vol. 1, pp. 37-55. ISSN 1555-1229
9.	A. Groznik, E. Mujkić: Menedžment oskrbovalne verige v naftni industriji. Uporavna informatika, jul/avg/sep. 2005, vol. 13, no. 3, str. 146-152, ISSN 1318-1882
10.	A. Groznik: E-logistics: Informatization of Slovenian transport cluster. V: Building society throuhgh E-commerce, Santiago: University of Talca, 2004, 10 pp. CD ROM, ISBN 956-299-463-5

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	3			
Current projects :	Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:	Jovanović M. Dragan
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.12.1998
Scientific or art field:	Traffic Systems

Academic carieer	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Traffic Systems
PhD thesis	2005	Faculty of Technical Sciences - Novi Sad	Traffic Systems
Magister thesis	2003	Faculty of Technical Sciences - Novi Sad	Traffic Systems
Bachelor's thesis	1998	Faculty of Technical Sciences - Novi Sad	Traffic Systems

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	S0214	Regulations in the Field of Traffic	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
2.	S0331	Traffic Safety	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
3.	ZRI422	Safety and security at work in the field of traffic engineering	(Z01) Safety at Work, Undergraduate Academic Studies
4.	S052	Prevention of Accidents	(S00) Traffic and Transport Engineering, Master Academic Studies
5.	S0I5B	Traffic Safety Measures	(S00) Traffic and Transport Engineering, Master Academic Studies
6.	S0MI4S	Road infrastructure and road safety in urban areas	(S00) Traffic and Transport Engineering, Master Academic Studies
7.	SDI23	Traffic Safety Management	(S00) Traffic Engineering, Doctoral Academic Studies
8.	SDI24	Road Safety Measures	(S00) Traffic Engineering, Doctoral Academic Studies
9.	DSSB2	Behavioural models in traffic safety	(S00) Traffic Engineering, Doctoral Academic Studies
10.	ZRD235	Systemic regulation in the field of occupational safety and health	(Z01) Safety at Work, Doctoral Academic Studies
11.	ZRD239	State and tendencies of health and safety at work in the field of traffic engineering	(Z01) Safety at Work, Doctoral Academic Studies
12.	ZRDI7	Izborni predmed 5D	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Jovanović D., Bačkalić T., Bašić S.: The application of reliability models in traffic accident frequency analysis, Safety Science, 2011, Vol. 49, No 8-9, pp. 1246-1251, ISSN 0925-7535

2. Jovanović D., Lipovac K., Stanojević P., Stanojević D.: The effects of personality traits on driving-related anger and aggressive behaviour in traffic among Serbian drivers, Transportation Research Part F - Traffic Psychology and Behaviour, 2011, Vol. 14, No 1, pp. 43-53, ISSN 1369-8478

3. Antić B., Vujanić M., Jovanović D., Pešić D.: Impact of the new road traffic safety law on the number of traffic casualties in Serbia, Scientific Research and Essays, 2011, Vol. 6, No 29, pp. 6176-6184, ISSN 1992-2248

4. Jovanović D., Stanojević P., Stanojević D.: Motives for, and attitudes about, driving-related anger and aggressive driving, Social Behavior and Personality: An International Journal, 2011, Vol. 39, No 6, pp. 755-764, ISSN 0301-2212

5. Jevtić V., Vujanić M., Lipovac K., Jovanović D., Stanojević P.: The influence of motives on risky behavior in traffic: Comparison between motorcyclists and passenger car drivers, Scientific Research and Essays, 2012, Vol. 7, No 10, pp. 1134-1140, ISSN 1992-2248

6. Jovanović D., Bašić S.: Role of ITS in Managing Traffic Safety in The Road Transportation, 17. Eletronics in Traffic, Ljubljana: Electrotechnical of Association of Slovenia, 23 Mart, 2009, ISBN 978-961-6187-42-8, UDK: 656:004.8

7. Bašić S., Bačkalić T., Jovanović D.: Temporal and time series forecasting as a tool for traffic safety analysis, 10. Međunarodni simpozijum Prevencija saobraćajnih nezgoda na putevima, Novi Sad: Fakultet tehničkih nauka, 21-22 Oktobar, 2010, pp. 174-182, ISBN 978-86-7892-279-4

8. Jovanović D., Bašić S., Mitrović J.: Program for advancement children safety in traffic, 1. Regional south-eastern Europe Conference on safe Community, Novi Sad, 23-24 April, 2009, pp. 111-114, ISBN 978-86-87497-02-3

9. Jovanović D., Stanojević P.: Safety of children in road traffic, 1. Regional south-eastern Europe Conference on safe Community, Novi Sad, 23-24 April, 2009, pp. 104-110, ISBN 978-86-87497-02-3

10. Lipovac K., Jovanović D., Nešić M., Jovanov D.: Database of Black Spots on Main Roads in Serbia, 4. IRTAD Conference, Seoul, 16-17 Septembar, 2009, pp. 382-392

Summary data for teacher's scientific or art and professional activity:

Quotation total :	0

Total of SCI(SSCI) list papers :	5			
Current projects :	Domestic :	1	International :	1

Science, arts and professional qualifications

Name and last name:	Jović J. Jadranka
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Transport and Traffic Engineering - Beograd
	01.01.2000
Scientific or art field:	Traffic Engineering

Academic carieer	Year	Institution	Field
Academic title election:	2004	Faculty of Transport and Traffic Engineering - Beograd	Traffic Engineering
PhD thesis	1992	Faculty of Transport and Traffic Engineering - Beograd	Traffic Engineering
Magister thesis	1984	Faculty of Transport and Traffic Engineering - Beograd	Traffic Engineering
Bachelor's thesis	1976	Faculty of Forestry - Beograd	Traffic Engineering

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	DSIM1	Traffic Planning	(S00) Traffic Engineering, Doctoral Academic Studies
2.	DSSK4	Urban planning and development of transport networks	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)
1. Ivanović, I., Grujičić, D., Macura, D., Jović, J., Bojović, N., (2012) One approach for road transport project selection, Transport Policy, DOI: 10.1016/j.tranpol.2012.10.001
2. J. Jović, V. Đorić: Application of transport demand modeling in pollution estimation of a street network, Thermal Science, 2009. 13(3), 229–243, doi:10.2298/TSCI0903229J
3. J. Jović, V. Đorić: Traffic and Environmental Modeling on Street Network – Belgrade case study, Transport, 2010. 25(2), 155–162, ISSN 1648-4142 print / 1648-3480 online
4. J. Jović, V. Depolo: The role of trip generation models in sustainable transportation planning in South-East Europe Transport, Transport, 2011. 26 (1), 88 – 95, ISSN 1648-4142 print / 1648-3480 online
5. J.Jović, V. Basarić, Target Modal Split Model, Transport, 2011. 26(4), 418-424, ISSN 1648-4142 print / 1648-3480 online
6. Popović, M., Jović, J. 2006. Concept of expert system for modal split in transportation planning, Yugoslav Journal of Operations Research, 16(1), pp.107-124.
7. Jovic, J., 2003. Modern Tool in Transportation Planning – Transport Model of Belgrade, Transporti Europei, 2003(24), pp.31-38
8. Jović, J., Popović, M. 2001. Modal Split Modelling Using Multicriteria Analysis And Discrete Fuzzy Sets, Yugoslav Journal of Operations Research, 11(2), pp. 221-233
9. Jović, J. 1997. Application of Neural Networks to Modal Split Modelling", Yugoslav Journal of Operations Research, 7(1), pp.119-132
10. Ranković, B., Jović, J., (2012) Karakteristike transportnih zahteva stanovnika ruralnih područja, Pregledni rad, UDC:656.11.021:711.434/.438, Tehnika – Saobraćaj, Godina 59 (2012) broj 4, ISSN 0040-2176, UDC: 62(062.2) (497.1), str. 609-

Summary data for teacher's scientific or art and professional activity:				
Quotation total :				
Total of SCI(SSCI) list papers :				
Current projects :	Domestic :		International :	

Science, arts and professional qualifications

Name and last name:	Katić A. Vladimir
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.1978
Scientific or art field:	Power Electronics, Machines and Facilities

Academic carieer	Year	Institution	Field
Academic title election:	2002	Faculty of Technical Sciences - Novi Sad	Power Electronics, Machines and Facilities
PhD thesis	1991	School of Electrical Engineering - Beograd	Electrical and Computer Engineering
Magister thesis	1981	School of Electrical Engineering - Beograd	Electrical and Computer Engineering
Bachelor's thesis	1978	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	EE305	Power Electronics 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	EE308	Power Electronics 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	Z107	Electrical Engineering, Environment and Protection	(Z01) Safety at Work, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
4.	EE0406	Electric Power Quality	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
5.	EE431	Renewable Sources and Small Power Plants	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
6.	EZ300	Clean Electrical Energy Sources	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
7.	EZ400	Clean Energy Sources Design	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
8.	DE209S	Energy Converters in Renewable Energy Sources	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
9.	DE413S	Integration of Distributed Energy Resources	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
10.	DE505S	Power Quality in Distribution Networks	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
11.	DE506S	Renewable Electrical Energy Sources	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
12.	DE509S	Effects of Power Converters on Network and Environment	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
13.	EE406	Electric Power Quality	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
14.	EE509	Market and Deregulation in Electric Power Industry	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
15.	S0I51Ž	Electrical Substation and Electric Traction	(S00) Traffic and Transport Engineering, Master Academic Studies
16.	EE544	Renewable energy sources	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
17.	EE564	Distributed Energy Resources	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
18.	ZCM02	Clean technologies for electrical vehicles	(ZC0) Clean Energy Technologies, Master Academic Studies
19.	ZCM08	Renewable and Distributed Electrical Energy Sources	(ZC0) Clean Energy Technologies, Master Academic Studies
20.	DE108	FACTS Devices and Electric Power Quality	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
21.	DE113	Application of Power Electronics in Power Systems	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
22.	DE209	Energy Converters in Renewable Power Sources	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies

	ID	Course name	Study programme name, study type
23.	DE413	Integration of Distributed Energy Resources	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
24.	DE505	Power Quality in Distribution Networks	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
25.	DE506	Renewable Electrical Energy Sources	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
26.	DE509	Effects of Power Converters on Network and Environment	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
27.	SID04	Current State in the Field	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies
28.	MSID04	Present State in the Field	(M40) Technical Mechanics, Doctoral Academic Studies
29.	SID04	Present State in the Field	(A00) Architecture, Doctoral Academic Studies (AS0) Scenic Design, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Vladimir Katić: "Kvalitet električne energije – viši harmonici", Univerzitet u Novom Sadu - Fakultet tehničkih nauka, Edicija Tehničke nauke - Monografije, Br. 6, Novi Sad, 2002., ISBN 86-80249-57-2.

2. Vladimir Katić: "Energetska elektronika - Zbirka rešenih zadataka", Univerzitet u Novom Sadu-Fakultet tehničkih nauka, Edicija Univerzitetski udžbenik, Broj 66, Novi Sad, 1998, tiraž 500 primeraka, strana 430, Pomoćni udžbenik, ISBN 86-499-0017-8.

3. Vladimir Katić, Darko Marčetić, Dušan Graovac: "Energetska elektronika – Praktikum laboratorijskih vežbi", Univerzitet u Novom Sadu-Fakultet tehničkih nauka, Edicija Univerzitetski udžbenik, Broj 124, Novi Sad, 2000, tiraž 300 primeraka, strana 85, Pomoćni udžbenik, ISBN 86-499-0081-X.

4. Vladimir Katić, Vlado Porobić, Darko Marčetić: "Primena mikroprocesora u energetici – Praktikum laboratorijskih vežbi", Univerzitet u Novom Sadu-Fakultet tehničkih nauka, Edicija: Tehničke nauke - Udžbenici, Broj 149, Novi Sad, Dec. 2006, tiraž 300 primeraka, strana 122, Pomoćni udžbenik, ISBN 86-7892-013-0.

5. Vladimir Katić: „Upravljanje energetskim pretvaračima", Fakultet tehničkih nauka – WUS, Novi Sad, 2006, tiraž 20 primeraka, str.175, Skripta.

6. Dušan Graovac, Vladimir Katić, Alfred Rufer: "Power Quality Problems Compensation with Universal Power Quality Conditioning System", IEEE Transaction on Power Delivery, USA, ISSN 0885-8977, Vol.22, No.2, April 2007, pp.968-976.

7. Vladimir Katić, Jovan Knežević, Dušan Graovac: "Application-Oriented Comparison of the Methods for AC/DC Converter Harmonics Analysis", IEEE Transaction on Industrial Electronics, USA, ISSN 0278-0046, Vol.50, No.6, December 2003, pp.1100-1108.

8. Vladimir Katić, Dušan Graovac: "A Method for PWM Rectifier Line Side Filter Optimization in Transient and Steady States", IEEE Transaction on Power Electronics, USA, ISSN 0885-8993, Vol.17, No.3, May 2002, pp.342-352.

9. Dušan Graovac, Vladimir Katić: "On-Line Control Of Current Source Type Active Rectifier Using Transfer Function Approach", IEEE Transaction on Industrial Electronics, USA, ISSN 0278-0046, Vol.48, No.3, June 2001, pp.526-535.

10. Vladimir Katić: "Modern Power Electronics Technologies for Wind Power Plants", Invited Paper, Electronics/Elektronika, Banja Luka (BIH-R.Srpska), Vol.10, No.2, Dec.2006, YU ISSN 1450-5843, pp.3-9.

Summary data for teacher's scientific or art and professional activity:

Quotation total :	122
Total of SCI(SSCI) list papers :	19

Science, arts and professional qualifications

Name and last name:	Kostić I. Svetozar
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.1992
Scientific or art field:	Traffic Systems

Academic carieer	Year	Institution	Field
Academic title election:	2003	Faculty of Technical Sciences - Novi Sad	Traffic Systems
PhD thesis	1989	Faculty of Transport and Traffic Engineering - Beograd	Traffic Engineering
Magister thesis	1983	Faculty of Transport and Traffic Engineering - Beograd	Traffic Engineering
Bachelor's thesis	1973	Faculty of Transport and Traffic Engineering - Beograd	Traffic Engineering

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	S0433	Traffic Accidents Expertise	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
2.	S0435	Parking and Public Parking Garages	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
3.	S0438	Traffic Safety and Control Methods	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
4.	S0440	Traffic Terminal Servers	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
5.	S0I53Ž	Rail Transport Safety	(S00) Traffic and Transport Engineering, Master Academic Studies
6.	S0MI4S	Road infrastructure and road safety in urban areas	(S00) Traffic and Transport Engineering, Master Academic Studies
7.	DSSK6S	Suistainable safe road design	(G00) Civil Engineering, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Saobracajna tehnika I - Tehnika bezbednosti i kontrole saobracaja, Udzbenik, FTN Univerziteta u Novom Sadu, 1998.
2.	Tehnika bezbednosti i kontrole saobracaja, Udzbenik, II izmenjeno i dopunj.izdanje, FTN u Novom Sadu, 2005.
3.	Brzina kao faktor bezbednosti drumskog saobracaja, Monografija, FTN u Novom Sadu i EP Komerc Beograd 1994.
4.	Saobracajno tehnicko vestacenje - osnovni pojmovi, definicije i merne jedinice, prirucnik, Savez inzenjera i tehnicara Srbije, Beograd 1996.
5.	Aplication of Marquard equations in vehicle crash expertise, "MOTAUTO 01", Proceeding Vol.II, Varna 2001.
6.	Tehnicko regulisanje saobracaja i problemi parkiranja u gradovima Srbije, Savetovanje o kontroli i upravljanju saobracaja, SDIT Beogad 1992.
7.	Visespratna garaza - dvostruka spirala-,zasticen patent, YU PAT-63/97, Savezni zavod za intelektualnu svojinu, Beograd 1997.
8.	Zahtevi strukturnih karakteristika automobila sa aspekta zaštite putnika prilikom sudara, XII Međunarodni skup, Motorna vozila i motori, Kragujevac 2002.
9.	Rekonstrukcije specifičnih sudara vozila primenom programskog paketa PC CRASH, Savetovanje na temu Saobraćajne nezgode, Zlatibor, 2007.
10.	Naučno stručni pristup formiranju nalaza i mišljenja veštaka", Savetovanje na temu Saobraćajne nezgode, Zlatibor, 2007.

Summary data for teacher's scientific or art and professional activity:			
Quotation total :	0		
Total of SCI(SSCI) list papers :	2		
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:	Kostić Z. Marko
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.10.1999
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	2004	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	2001	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1999	Faculty of Sciences - Novi Sad	Mathematical Sciences

	List of courses being held by the teacher in the accredited study programmes		
	ID	**Course name**	**Study programme name, study type**
1.	E121	Mathematical Analysis 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E135B	Mathematical Analysis 2	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
3.	E212	Mathematical Analysis 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	EOS07	Mathematics 2	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
5.	F101	Mathematics	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
6.	GI107	Mathematical Analysis 1	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
7.	M106	Mathematics 2	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
			(M30) Energy and Process Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
8.	M4202	Applied Mathematical Analysis	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
9.	ISIT06	Matematika 2	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
10.	0M501	Functional Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
11.	0ML501	Functional Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
12.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
13.	Z506	20BAdvanced Course in Mathematics 1	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
			(Z20) Environmental Engineering, Master Academic Studies
14.	Z506	Viši kurs matematike 1(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
15.	D0M01	Functional Analysis 1	(OM1) Mathematics in Engineering, Doctoral Academic Studies

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
16.	D0M19	Functional Analysis 2	(OM1) Mathematics in Engineering, Doctoral Academic Studies
17.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
			(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F00) Graphic Engineering and Design, Doctoral Academic Studies
			(F20) Engineering Animation, Doctoral Academic Studies
			(G00) Civil Engineering, Doctoral Academic Studies
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(M40) Technical Mechanics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies
			(Z00) Environmental Engineering, Doctoral Academic Studies
			(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Kostić, Marko, Distribution cosine functions. Taiwanese J. Math. 10 (2006), no. 3, 739--775.
2.	Kostić Marko, On analytic integrated semigroups. Novi Sad J. Math. 35 (2005), no. 1, 127--135.
3.	Kostić Marko, Convoluted C-cosine functions and convoluted C-semigroups. Bull. Cl. Sci. Math. Nat. Sci. Math. No. 28 (2003), 75--92.
4.	Kostić Marko, On a class of quasi-distribution semigroups, Novi Sad J. Math 36 (2), 137-152
5.	M. Kostić, P. J. Miana, Relations between distribution cosine functions and almost-distribution cosine functions, Taiwanese Journal of Mathematics 11 (2007), 531--543.
6.	M. Kostić, S. Pilipović, Global convoluted semigroups, accepted in Math. Nachr.
7.	M. Kostić, S. Pilipović: Convoluted C-cosine functions and semigroups. Relations with ultradistribution and hyperfunction sines, accepted in J. Math. Anal. Appl.
8.	M. Kostić: Complex powers of operators, accepted in Publications De"l Institute Mathematique
9.	M. Kostić: C-Distribution semigroups, Studia Math. 185 (2008), 201--217.
10.	M. Kostić: Convoluted operator families and abstract Cauchy problems, accepted in Kragujevac Journal of Mathematics

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	32			
Total of SCI(SSCI) list papers :	15			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:		Kovačević M. Ilija	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.09.1972	
Scientific or art field:		Mathematics	

Academic carieer	Year	Institution	Field
Academic title election:	1990	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1979	Faculty of Mathematics - Beograd	Mathematical Sciences
Magister thesis	1975	Faculty of Mathematics - Beograd	Mathematical Sciences
Bachelor's thesis	1971	Faculty of Sciences - Novi Sad	Mathematical Sciences

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E212	Mathematical Analysis 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	EE204	Selected Chapters in Mathematics	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	E102	Mathematical Analysis 1	(ES0) Power Software Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
4.	E102A	Mathematical Analysis 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
5.	IM1423	Financial Mathematics	(I20) Engineering Management, Undergraduate Academic Studies
6.	0M501	Functional Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
7.	0ML501	Functional Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
8.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
9.	I004/S	Statistical Quantitative Methods	(I20) Engineering Management, Specialised Professional Studies
			(IB0) Engineering Management - MBA, Specialised Professional Studies
10.	GS012	Selected Chapters in Mathematics	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
11.	MPK001	Statistical and Numerical Methods	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies
12.	SDOM30	Probability, Statistics and Theory of Engineering Experiment	(Z00) Environmental Engineering, Specialised Academic Studies
13.	D0M01	Functional Analysis 1	(OM1) Mathematics in Engineering, Doctoral Academic Studies
14.	D0M19	Functional Analysis 2	(OM1) Mathematics in Engineering, Doctoral Academic Studies

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
15.	DOM30	Probability, Statistics and Theory of Engineering Experiment	(M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies
16.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	I.Kovačević, Some properties of Mn subsets and almost closed mappings, Indian J.pure appl. Math., 27(9), 1996., 875-881.
2.	I.Kovačević, On almost closed mapping, paracompactness and partial equivalence relatuions, Indian Journal of Pure and Applied mathematics,25(9), 1994., 949-954.
3.	I.Kovačević, On alfa-Hausdorff subsets, almost closed mappings and almost upper semicontinuous decomposition, Indian Jurnal of Pure and Applied mathematics 20 (4) 1989., 334-340.
4.	Kiurski J., Oros I., Ralević N., Kovačević I., Adamović (Majkić) S., Krstić J., Čomić L.: Cluster and principal component analysis in the assessment of fountain solution quality, Carpathian Journal of Earth and Environmental Sciences, 2013, Vol. 8, No 1, pp. 19-23, ISSN 1842-4090
5.	N. Adžić, I. Kovačević, V. Marić, V. Ungar, Matematička analiza 2, FTN (Edicija tehničke nauke-udžbenici), Novi Sad, 1996., 1-299.
6.	I. Kovačević, N. Ralević, Funkcionalna analiza,FTN (Edicija tehničke nauke-udžbenici), Novi Sad, (Ponovljeno i dopunjeno izdanje)2004., 1-203.
7.	I. Kovačević, N. Ralević, B.Carić,V.Marić,M.Novković,S.Medić,Matematička analiza 1- uvodni pojmovi i granični procesi ,(Ponovljeno i dopunjeno izdanje), FTN (Edicija tehničke nauke-udžbenici) Novi Sad, 2012,1-155.
8.	I.Kovačević, V.Marić, M.Novković, B.Carić, N.Ralević,S.Medić, Matematička analiza 1 - diferencijalni i integralni račun, obične diferencijalne jednačine (Ponovljeno i dopunjeno izdanje),FTN (Edicija tehničke nauke-udžbenici), Novi Sad,2012., 1-280.
9.	I. Kovačević, Algebra, Naučna knjiga, Beograd, 1990., 1-116.
10.	M.Novković,B.Carić,I.Kovačević, Zbirka rešenih zadataka iz verovatnoće i statistike, FTN (Edicija tehničke nauke-udžbenici), Novi Sad, (Ponovljeno i dopunjeno izdanje) 2012., 1-169.

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	28			
Total of SCI(SSCI) list papers :	7			
Current projects :	Domestic :	3	International :	2

Science, arts and professional qualifications

Name and last name:	Kozmidis-Luburić F. Uranija
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.09.1975
Scientific or art field:	Physics

Academic carieer	Year	Institution	Field
Academic title election:	2000	Faculty of Technical Sciences - Novi Sad	Physics
PhD thesis	1988	Faculty of Sciences - Novi Sad	Physical Science
Magister thesis	1986	Faculty of Physics - Beograd	Physical Science
Bachelor's thesis	1974	Faculty of Sciences - Novi Sad	Physical Science

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	E103	Physics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	EOS06	Physics	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
3.	S014	Physics	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
4.	A401	Architectural Physics	(A00) Architecture, Undergraduate Academic Studies
5.	DZ01FS	Selected Chapters in Physics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
6.	DZ01F	Selected Chapters in Physics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
			(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F00) Graphic Engineering and Design, Doctoral Academic Studies
			(G00) Civil Engineering, Doctoral Academic Studies
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(M40) Technical Mechanics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies
			(Z00) Environmental Engineering, Doctoral Academic Studies
			(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	U.F.Kozmidis-Luburić and B.S.Tošić, "NON-LINEAR OPTICAL EFFECTS AND THE DIELECTRIC PROPERTIES OF CRYSTALS", Physica B 112, 331(1982)
2.	D.Mirjanić, U.F.Kozmidis-Luburić, M.M.Marinković and B.S.Tošić, "COMBINED EFFECT OF EXCITION-EXCITION AND EXCITION-PHONON INTERACTION ON CRYSTALS DIELECTIC PROPERTIES", Can. J. Phys. 60, 1838(1982)
3.	U.F. Kozmidis-Luburić and B.S. Tošić, "KINEMATICAL INTERACTION OF OPTICAL EXCITATION AND CONSEQUENCES", Physica A 153, 266(1988)

	Representative refferences (minimum 5, not more than 10)
4.	LJ. Budinski-Petković and U.Kozmidis-Luburić, "J AMING CONFIGURATIONS FOR IRREVERSIBLE DEPOSITION ON A SQUARE LATTICE", Psysica A 236, 211(1997)
5.	Lj. Budinski-Petković and U. Kozmidis-Luburić, "RANDOM SEQUENTIAL ADSORPTION ON A TRIANGULAR LATTICE", Psysical Review E 56, 6904(1997)
6.	V.Sajfert,B.S.Tošić,M.Marinković and U.F.KOZMIDIS-LUBURIĆ,"SURFACE DEFORMATION IN FILMS AND EXCITON CONCETRATION", Physica A 166, 430(1990)
7.	B.S.Tošić, Lj.Mašković, U. F. KOZMIDIS-LUBURIĆ, V.Jovovic and G. Davidovic, "Transition FROM THE DEFORMED STRUCTURE TO THE STATISTICALLY EQUIVALENT IDEAL STRUCTURE AND AN ESTIMATE OF THE BASIS PHYSICAL CHARACTERISTICS OF THE DEFORMED STRUCTURE", Physica A 216, 478(1995)
8.	V.Jovović, G.Davidović, B.S.Tošić,Lj.Mašković, U.F.KOZMIDIS-LUBURIĆ and D.Ćirić,"MASS DISTRIBUTION IN HETEROGENEOUS STRUCTURES", Physica A 223,263(1996)
9.	Lj. Budinski-Petković and U. KOZMIDIS-LUBURIĆ, "IRREVERSIBLE DEPOSITION ON DISORDERED SUBSTRATES: LINE SEGMENTS ON A SQUARE LATTICE", Physica A 245,261(1997)
10.	Lj. Budinski-Petković and U. KOZMIDIS-LUBURIĆ, "IRREVERSIBLE DEPOSITION OF DIRECTED SELF-AVOIDING RANDOM WALKS ON A SQUARE LATTICE", Physica A 262,388(1999)
	Summary data for teacher's scientific or art and professional activity:

Quotation total :	68			
Total of SCI(SSCI) list papers :	23			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Kozmidis-Petrović F. Ana
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.09.1975
Scientific or art field:	Physics

Academic carieer	Year	Institution	Field
Academic title election:	1997	Faculty of Technical Sciences - Novi Sad	Physics
PhD thesis	1984	Faculty of Sciences - Novi Sad	Physics
Magister thesis	1980	Faculty of Mathematics - Beograd	Physical Science
Bachelor's thesis	1972	Faculty of Sciences - Novi Sad	Physical Science

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E103	Physics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	GG06	Civil Engineering Physics	(G00) Civil Engineering, Undergraduate Academic Studies
3.	M101	Technical Physics	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
			(M30) Energy and Process Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
			(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
4.	ZR440	Influence of radiation on health and occupational safety	(Z01) Safety at Work, Undergraduate Academic Studies
5.	ZC008	Technical physics	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
6.	DZ01FS	Selected Chapters in Physics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
7.	SZD017	Solid Materials in the Environment	(Z00) Environmental Engineering, Specialised Academic Studies

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
8.	DZ01F	Selected Chapters in Physics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies
9.	FDS141	Selected Chapters in Colour Management	(F00) Graphic Engineering and Design, Doctoral Academic Studies
10.	ZD017	Solid Materials in the Environment	(Z00) Environmental Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	D. M. Petrović, A. F. Petrović, V. M. Leovac, S. R. Lukić: Thermal decomposition of Cu(II) complexes with salicyladehyde S-methylthiosemicarbazone, Journal of Thermal Analysis, 42, 1165-1170, 1994.
2.	S.R. Lukić, D. M. Petrović, A. F. Petrović, F. Skuban, I.I. Turyanitsa: Tendency towards crystallization of Ge-As-Te system glasses, Journal of Materials Science Lett., 15,.
3.	A. F. Petrović, S. R. Lukić, D. M. Petrović, E. Z. Ivegeš, V. M. Leovac: Metal complex with pyrazole derived ligands. Part IV. Thermal decomposition of Cobalt(II) complexes with 3(5)-amino-4-acetyl 5(3) mathylpyrazole, Journal of Thermal Analysis, 47, 879-886,
4.	S. R. Lukić, D. M. Petrović, A. F. Petrović: Effect of copper on conductivity of amorphous AsSeyIz, Journal of Non-Crystalline Solids, 241, 74-77, 1998.
5.	S. R. Lukić, V. M. Leovac, A. F. Petrović, S. J. Skuban, V. I. Češljević, M. M.Garić: Metal Complexes with Pyrazole-derived Ligands. XIII. Synthesis and Thermal Studies of Zn(II) Complexes with 3-amino-4-acetyl-5-methylpyrazole, Synth.React.Inorg. Met.-Org.Chem.,2002
6.	S. R. Lukić, S. J. Skuban, D. M. Petrović, A. F. Petrović, M. Garić, Characteristics of complex non-crystalline chalcogenides from the Ge-As-S-Se-I system, Journal of Optoelectronics & Advanced Materials, 6(3), 755-768, 2004.
7.	A. F. Petrović, S.R. Lukić, D.D. Štrbac: Critical rate of cooling glassy melts under conditions of continuous nucleation.The application to some chalcogenide glasses, Journal of Optoelectronics & Advanced Materials, 6(4) 1167-1177, 2004.
8.	S. R. Lukić, D. M. Petrović, Ž. N. Cvejić,.A F. Petrović, F. Skuban: Thermally-induced Structural Changes in Copper-containing Chalcogenide Thin Films, Journal of Optoelectronics & Advanced Materials, 3(2), 337-340, 2001.
9.	S.R. Lukić, D.M. Petrović, G.R.Štrbac, A.F.Petrović, M Šiljegović : Effect of sulfur atom substitute with selenium on stability of glassy Ge20As14SxSe52-xI14, Journal of Physics and Chemistry of Solids 66, 1683-1686 (2005)
10.	A.F.Kozmidis-Petrovic, G.R.Strbac, D.D.Strbac, Kinetics of non-isothermal crystallization of chalcogenide, J.Non-Cyst.Solids, 2014–2019, 353(2007)2014

Summary data for teacher's scientific or art and professional activity:

Quotation total :	153			
Total of SCI(SSCI) list papers :	25			
Current projects :		Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:		Krstanoski -. Nikola		
Academic title:		Guest Professor		
Name of the institution where the teacher works full time and starting date:		-		
Scientific or art field:		Traffic Engineering		

Academic carieer	Year	Institution		Field
Academic title election:	2008			Traffic Engineering
PhD thesis	1996	University of Pennsylvania - Tennessee		Traffic Engineering
Magister thesis	1992	University of Pennsylvania - Tennessee		Traffic Engineering
Bachelor's thesis	1983	Faculty of Technical Sciences Bitola - Bitola		Traffic Engineering

List of courses being held by the teacher in the accredited study programmes				
	ID	Course name		Study programme name, study type
1.	DSIM1	Traffic Planning		(S00) Traffic Engineering, Doctoral Academic Studies
2.	SDI6	Optimization of the Goods Transportation Process		(OM1) Mathematics in Engineering, Doctoral Academic Studies
				(S00) Traffic Engineering, Doctoral Academic Studies
3.	SDI7	Passenger Transport Process Optimization		(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)
1. Krstanoski, N., "Negative Impacts of Busways and Bus Lane Conversions into High-Occupancy Vehicle Facilities", TRANSPORTATION RESEARCH RECORD No.1496, Washington D.C., USA. p.75., 1995
2. Krstanoski, N., "Urban Transportation Policies and Practices: Unites States and Its Peers", TRANSPORTATION RESEARCH RECORD No.1576, Washington D.C., USA. str.132., 1997
3. Krstanoski Nikola, "Public Urban Transport Planning", textbook, Faculty for Technical Sciences", Bitola 2003.
4. Krstanoski, N., IMPACTS OF STOCHASTICITY IN RAPID TRANSIT LINE OPERATION ON ITS PERFORMANCE CHARACTERISTICS", Third International Conference on Urban Transport and the Environment for the 21st century Acquasparta, Italy 1997, Proceedings, Computational Mechanics Publications, Editors L. Sucharev and G. Bidini, 1997, (pp.13-19).
5. Krstanoski, N., HOW TO IMPROVE THE PUBLIC URBAN TRANSPORT, Scientific Conference "Skopje in the 21 Century", The council of City of Skopje, November 1997.
6. Krstanoski, N., URBAN PUBLIC TRANSPORT AND URBAN PLANNING, Ministry for Urbanism, Construction and Environment, Conference Proceedings "Perspectives and improvement of Physical and Spatial Planning", Ohrid, March 1998.
7. Krstanoski, N., URBAN PUBLIC TRANSPORT TROUGHOUT THE HISTORY: IN THE WORLD AND IN MACEDONIA, Conference "History of the Engineering in Macedonia" June 1998, Molika, Bitola.
8. Krstanoski, N., TRANSPORT AND ENVIRONMENT: QUO VADIS MACEDONIA, Association of Transport Engineers of Macedonia and the Ministry for Transport and Teleccommunication, Conference Proceedings "Transport and Teleccommunications in the 21 Century", Ohrid, 1999.
9. Krstanoski, N., ANALYSIS OF TIME SERIES UNDER DISSRUPTED TRENDS: AN EXAMPLE OF FORECASTING THE RATE OF VEHICLE OWNERSHIP IN MACEDONIA, Association of Transport Engineers of Macedonia and the Ministry for Transport and Telecommunication, Conference Proceedings "Transport and Telecommunications in the 21 Century", Ohrid, 1999.
10. Krstanoski, N., WHAT CAN WE LEARN FROM THE BUS PUBLIC TRANSPORT DEREGULATION IN GREAT BRITAIN: LESSONS FOR MACEDONIA, Association of Transport Engineers of Macedonia and the Ministry for Transport and Teleccommunication, Conference Proceedings "Transport and Telecommunications 2000 – Strategic development Guidelines" , Ohrid, 2000.

Summary data for teacher's scientific or art and professional activity:					
Quotation total :	0				
Total of SCI(SSCI) list papers :	2				
Current projects :		Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:	Kujačić D. Momčilo
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad 21.09.2005
Scientific or art field:	Postal Traffic and Communications

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Postal Traffic and Communications
PhD thesis	2001	Faculty of Transport and Traffic Engineering - Beograd	Traffic Systems
Magister thesis	1999	Faculty of Transport and Traffic Engineering - Beograd	Traffic Systems
Bachelor's thesis	1978	Faculty of Transport and Traffic Engineering - Beograd	Traffic Systems

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	S01322	Postal Traffic	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
2.	S01327	Postal Services and Networks	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
3.	S01330	Strategic Planning in Postal Traffic and Telecommunications	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
4.	S01381	Direct marketing	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
5.	S01471	Change management	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
6.	S0I323	Technology of postal traffic	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
7.	S0153	New Technologies and Services in Postal Traffic	(S01) Postal Traffic and Telecommunications, Master Academic Studies
8.	S1I583	Models of Postal Network Management	(S01) Postal Traffic and Telecommunications, Master Academic Studies
9.	S1I593	Electronic postal services	(S01) Postal Traffic and Telecommunications, Master Academic Studies
10.	DSSP1	Selected chapters from the field of public postal network management	(S00) Traffic Engineering, Doctoral Academic Studies
11.	DSSP2	Selected chapters from the field of postal traffic organization	(S00) Traffic Engineering, Doctoral Academic Studies
12.	DSSP3	Selected chapters from the field of postal services market research	(S00) Traffic Engineering, Doctoral Academic Studies
13.	DSSP4	Selected chapters from the field of process management in postal traffic	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)
1. Blagojević M., Kujačić M., Šarac D.: Activity-based management of costs and revenue of universal postal service operator, Metalurgia international, 2013, No 3, ISSN 1582-2214
2. Jovanović B., Kujačić M., Šarac D., Atanasković P.: Fuzzy logic approach to predicting waiting time, Metalurgia international, 2013, No 4, ISSN 1582-2214,
3. Kujačić M., Šarac D., Marković D., Jovanović B.: Providing universal postal service in developing countries, African Journal of Business Management, 2011, Vol. 5, No 8, pp. 1158-1165, ISSN 1993-8233
4. Bojović N., Kujačić M., Macura D.: Organizational design of a post office using analytic network process (Article), Scientific Research and Essays, 2010, Vol. 5, No 10, pp. 1194-1212, ISSN 1992-2248
5. Blagojevic M., Marković D., Kujačić M., Dobrodolac M.: Applying activity based costing model on cost accounting of provider of universal postal services in developing countries (Article), African Journal of Business Management, 2010, Vol. 4, No 8, pp. 1605-1613, ISSN 1993-8233
6. Kujačić M., Bojović N.: Organizational Desgn of Postal Corporation Structure Using Fuzzy Multicriteria decision Making , Computational & Mathematical Organization Theory, Volume 9, Number 1, may 2003, Kluwer Academic Publishers, Boston/U.S.A. 2003, pp 5-18.
7. Kujačić M., Bojović N.: Organizational modeling, Postal technology international, 2007, pp. 62-63, ISSN 1472-5274
8. Kujačić M., Šarac D., Jovanović B.: Access to the postal network of the public operator, SEETSI, Budva, FMSK Berane, 2012.
9. Kujačić M., Šarac D., Jovanović B.: Regionalni pristup finansiranju univerzalne poštanske usluge, Saobraćajni fakultet Sarajevo, 1. SEETSI, Sarajevo, 2010.

Representative refferences (minimum 5, not more than 10)				
10.	Kujačić M., Jekić M.: Značaj koridora 4B za razvoj poštanskog saobraćaja u regionu, međunarodna konferencija: Strateški razvoj saobraćajnog koridora Bukurešt-Beograd-Bar-Bari (4B).			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	6			
Current projects :	Domestic :	4	International :	0

Science, arts and professional qualifications

Name and last name:	Kulić J. Filip
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.09.1994
Scientific or art field:	Automatic Control and System Engineering

Academic carieer	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
PhD thesis	2003	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Magister thesis	1999	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Bachelor's thesis	1994	Faculty of Technical Sciences - Novi Sad	Electroenergetics

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	AU44	Control Systems Design	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	E226	Automatic Control Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(H00) Mechatronics, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	E238A	Control Systems Technology	(BM0) Biomedical Engineering, Undergraduate Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
4.	EEI302	Systems of Automatic Control in Power Engineering	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
5.	H1405	Optimization Methods	(H00) Mechatronics, Undergraduate Academic Studies
6.	H302	Control Systems 2	(H00) Mechatronics, Undergraduate Academic Studies
7.	M325	Automatic Control Systems	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
8.	BMI125	Biological Control Systems	(BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	E2315	Electrical Machines in Automatic Control Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
10.	EMSAU 1	Automatic Control Systems in Electronics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
11.	SEAU01	Nonlinear programming and evolutionary computations	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
12.	SEAU03	Real-time control algorithms	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
13.	DE410S	Selected Topics in the Field of Automatic Control	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies

	ID	Course name	Study programme name, study type
14.	E2515	Intelligent Control Systems	(E20) Computing and Control Engineering, Master Academic Studies
			(MR0) Measurement and Control Engineering, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
15.	M2550	Automatic Control Systems in Motor Vehicles	(M22) Mechanization and Construction Engineering, Master Academic Studies
16.	E2532	Automatic Control Systems Project Management	(E20) Computing and Control Engineering, Master Academic Studies
17.	SEAM01	Intelligent Control Systems	(SE0) Software Engineering and Information Technologies, Master Academic Studies
18.	DAU007	Selected Topics in Artificial Intelligence in Control and Signal Processing	(E20) Computing and Control Engineering, Doctoral Academic Studies
19.	DE410	Selected Topics in the Field of Automatic Control	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
20.	SID04	Current State in the Field	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
			(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F00) Graphic Engineering and Design, Doctoral Academic Studies
			(F20) Engineering Animation, Doctoral Academic Studies
			(G00) Civil Engineering, Doctoral Academic Studies
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies
			(Z00) Environmental Engineering, Doctoral Academic Studies
21.	DAU017	Selected Topics from Totally Integrated Automatic Control Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies
22.	SID04	Present State in the Field	(A00) Architecture, Doctoral Academic Studies
			(AS0) Scenic Design, Doctoral Academic Studies
			(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Dragan Kukolj, Vesna Bengin, Filip Kulić: Osnovi klasične teorije automatskog upravljanja kroz rešene probleme, Sombor, Somel, 1995. 241str., UDK: 681.5(075.8),

2. Dragan Kukolj, Filip Kulić: Projektovanje sistema automatskog upravljanja u prostoru stanja, Novi Sad, Fakulet tehničkih nauka, 1995. 232str., UDK: 681.5(075.8),

3. D.Kukolj, F.Kulić, E.Levi: Design Of The Speed Controller For Sensorless Electric Drives Based On AI Techniques: A Comparative Study, Artificial Intelligence in Engineering, 2000, Vol. 14, str. 165- 174

4. D.Kukolj, S.Kuzmanović, E.Levi, F.Kulić: Design of Near Optimal, Wide Range Fuzzy Logic Controller, Fuzzy Sets and Systems, 2001, Vol. 120, No. 1, str. 17- 34

5. D.Kukolj, F.Kulić, D.Popović, Z.Gorečan: Determining Topological Changes and Critical Load Levels of a Power System by Means of Artificial Neural Network, Electric Machines and Power Systems, 1997, Vol. 25, No. 8, str. 917- 926, ISSN 0731-356x.

6. D.Kukolj, D.Popović, F.Kulić, Z.Gorečan: Fast Dynamic Stability Analysis of a Power System Using Artificial Neural Networks, European Transactions on Electrical Power (ETEP), 1998, Vol. 8, No. 3, str. 207- 212, ISSN 1430-144X.

7. D.Popović, D.Kukolj, F.Kulić: Monitoring and Assessment of Voltage Stability Margins Using Artificial Neural Networks with a Reduced Input Set, IEE Proc. -Gener. Transm. Distrib, 1998, Vol. 145, No. 4, str. 355- 362, ISSN 1350-2360.

	Representative refferences (minimum 5, not more than 10)
8.	Matić Dragan, Kulić Filip, Pineda-Sanchez Manuel, Kamenko Ilija: "Support vector machine classifier for diagnosis in electrical machines: Application to broken bar", Expert Systems With Applications, vol.39 br.10, str. 8681-8689, 2012.
9.	Čongradac Velimir, Kulić Filip: "Recognition of the importance of using artificial neural networks and genetic algorithms to optimize chiller operation", Energy and Buildings, vol. 47, str. 651-658; April 2012.
10.	Ilić Slobodan; Vukmirović Srđan; Erdeljan Aleksandar; Kulić Filip: "Hybrid Artificial Neural Network System for Short-Term Load Forecasting, Thermal Science, vol.16, br. , str. S215-S224, 2012

Summary data for teacher's scientific or art and professional activity:					
Quotation total :	32				
Total of SCI(SSCI) list papers :	12				
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:	Lep J. Marjan
Academic title:	Guest Professor
Name of the institution where the teacher works full time and starting date:	-
Scientific or art field:	Traffic Systems

Academic carieer	Year	Institution	Field
Academic title election:	2009		Traffic Systems
PhD thesis	1997	Essex university - Nepoznato	Civil Engineering
Magister thesis	1992	University of Maribor - Maribor	Civil Engineering
Bachelor's thesis	1984	University of Maribor - Maribor	Civil Engineering

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	DSIM3	Application of Informational Technologies and Measurements in Traffic Engineering	(S00) Traffic Engineering, Doctoral Academic Studies
2.	DSIM4	Methods in Traffic Infrastructure Management	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Geometrijsko modeliranje z opisno geometrijo
2.	M. Lep, B. Mesarec: Road transport congestion costs calculations - adaptation to engineering approach, American Journal of Applied Sciences, vol. 3, no. 1, pp. 29-33, COBISS.SI-ID 11550742
3.	M. Lep, A. Plevnik, M. Gabrovec: Kozforgalamu kozlekeded Szloveniaban. Kozuti melyep. szle., 2004, 6, evg. 54, str. 34-38. COBISS.SI-ID 2080963
4.	M. Gabrovec, M. Lep, D. Bole: Analysis of commuter responses to extensive changes in the supply of public transport - a case study of Dol pri Ljubljani, Slovenia, Slovenian journal of civil engineering, pp. 19-23. COBISS.SI-ID 26648365
5.	W. Gobiet, M. Lep: Entwicklung eines einheitlichen Datenmodells fur Verkehrs-und Verkehrswegedatenbanken. Suvremeni promet, 1999, vol. 19, no 3/4, pp. 267-274. COBISS.SI-ID 3941142
6.	M. Lep, M. Kovač, M. Kukovec: Koncepcija atraktivizacije javnog putničkog prometa u Sloveniji. Suvremeni promet, 1998, vol. 18, no. 3/4, str. 349-351. COBISS.SI-ID 3941141
7.	M. Lep, S. Težak: Transit corridors in the Republic of Slovenia-identification of deviations between demands and offer. Suvremeni promet, 1999, vol. 19, no. 1/2, pp. 107-110. COBISS.SI-ID 4448278
8.	S. Težak, M. Lep: The technology of dynamic raster image analysis and its application in practice and education. Suvremeni promet, 2008, vol. 28, no. 6, pp. 394-397. COBISS.SI-ID 12801814
9.	B. Mesarec, M. Lep: Road transport congestion costs calculations. 10th International Scientific Conference, May 24-25, 2007, Bratislava, Slovenska technicka univerzita, Stavbena fakulta, Slovak Republic, 2007, str. 23-39. COBISS.SI-ID 11898902
10.	M. Lep: Digitale Verkehrswegekarten. Computeranwendungen fur Strasenentwurf und Verkehrsplanung: 5. Internationaler workshop. 2. Oktober bis 3. Oktober 1995, Technische Universitat Graz, str. 89-98, COBISS.SI-ID 2383638

Summary data for teacher's scientific or art and professional activity:

Quotation total :	0			
Total of SCI(SSCI) list papers :	1			
Current projects :	Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:	Mihailović P. Biljana
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.03.1999
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	2009	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	2003	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1998	Faculty of Sciences - Novi Sad	Mathematical Sciences

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	E135	Probability, Statistics and Stochastic Processes	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E212	Mathematical Analysis 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	E213	Discrete Mathematics and Linear Algebra	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	E224A	Probability and Stochastic Processes	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
5.	EOS07	Mathematics 2	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
6.	M102	Mathematics 1	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
7.	E102	Mathematical Analysis 1	(ES0) Power Software Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
8.	BMI91	Mathematics 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	BMI92	Mathematics 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies
10.	E102A	Mathematical Analysis 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
11.	IM1423	Financial Mathematics	(I20) Engineering Management, Undergraduate Academic Studies
12.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (Z00) Environmental Engineering, Specialised Academic Studies
13.	I004/S	Statistical Quantitative Methods	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
14.	OIR009	Primenjena aktuarska matematika	(I20) Engineering Management, Specialised Professional Studies
15.	ZR503	Statistical Advanced Models	(Z01) Safety at Work, Master Academic Studies
16.	D0M07	Mathematical Foundations of Fuzzy Systems	(OM1) Mathematics in Engineering, Doctoral Academic Studies
17.	D0M21	Fuzzy Systems and Their Applications	(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	D0M49	Aggregation Functions	(OM1) Mathematics in Engineering, Doctoral Academic Studies
19.	D0M50	Fuzzy Measures and Integrals	(OM1) Mathematics in Engineering, Doctoral Academic Studies
20.	D0M51	Large Deviations Principles	(OM1) Mathematics in Engineering, Doctoral Academic Studies
21.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. E. Pap, B. Mihailović: A representatation of a comonotone-v-additive and monotone functional by two Sugeno integrals, Fuzzy Sets and Systems 155, (2005) 77-88

2. B. Mihailović, E. Pap: Sugeno integral based on absolutely monotone real set functions, Fuzzy Sets and Systems, Vol 161, Issue 22, (2010) 2857-2869

3. B. Mihailović, E. Pap: Asymmetric integral as a limit of generated Choquet integrals based on absolutely monotone real set functions, Fuzzy Sets and Systems 181, (2011) 39-49.

4. B. Mihailović, E. Pap: Asymmetric general Choquet integrals, Acta Polytechnica Hungarica, Volume 6, Issue Number 1, (2009) 161-173.

5. Kalina M., Manzi M., Mihailović B.: Choquet integrals and T-supermodularity, E. Pap (Ed.): Intelligent Systems: Models and Applications, TIEI 3, DOI: 10.1007/978-3-642-33959-2 4 c Springer-Verlag Berlin Heidelberg , (2013) 61-75.

	Representative refferences (minimum 5, not more than 10)
6.	B. Mihailović, Lj. Nedović, T. Grbić : The induced Sugeno integral-based operator w.r.t bi-fuzzy measures, Journal of Electrical Engineering, Vol.54, No. 12/s, (2003) 76-79.
7.	B. Mihailović, E. Pap: Non-monotonic set functions and general fuzzy integrals, Proceedings of SISY 2008, Subotica, (2008) 371-374.
8.	B. Mihailović: On the class of symmetric S-separable aggregation functions Proceedings of AGOP 2007, Ghent, Belgium, (2007) 187-191.
9.	B. Mihailović, E. Pap: Decomposable signed fuzzy measures, Proceedings of EUSFLAT 2007, Ostrava, Czech Republic, (2007) 265-269.
10.	B. Mihailović, M. Manzi: On the asymmetric Shilket-like integral, Proceedings of AGOP2011, Benevento, Italy, (2011) 73-77.

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	10			
Total of SCI(SSCI) list papers :	4			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:		Nikoličić S. Svetlana	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.02.1991	
Scientific or art field:		Integral Transport and Logistics	

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Integral Transport and Logistics
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Integral Transport and Logistics
Magister thesis	2001	Faculty of Technical Sciences - Novi Sad	Integral Transport and Logistics
Bachelor's thesis	1988	Faculty of Transport and Traffic Engineering - Beograd	Integral Transport and Logistics

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	S0221	Company Logistics	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
2.	SO211	Introduction to Logistics	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
3.	S0I597	Shaping Logistics Processes in Supply Chains	(S00) Traffic and Transport Engineering, Master Academic Studies
4.	LIM01	Fundamentals of Logistics	(LIM) Logistic Engineering and Management, Master Academic Studies
5.	LIM07	Intermodal Transport Technologies	(LIM) Logistic Engineering and Management, Master Academic Studies
6.	LIM08	Company Logistics	(LIM) Logistic Engineering and Management, Master Academic Studies
7.	LIM11	Supply Chain Design and Management	(LIM) Logistic Engineering and Management, Master Academic Studies
8.	LIM22	Logistic Controlling and Benchmarking	(LIM) Logistic Engineering and Management, Master Academic Studies
9.	LIM23	Logistic Centers	(LIM) Logistic Engineering and Management, Master Academic Studies
10.	LIM24	Urban Logistics	(LIM) Logistic Engineering and Management, Master Academic Studies
11.	S0ML4	Logistics centers	(S00) Traffic and Transport Engineering, Master Academic Studies
12.	S1I592	Postal logistics centers	(S01) Postal Traffic and Telecommunications, Master Academic Studies
13.	DSSL1	Supply chain management	(S00) Traffic Engineering, Doctoral Academic Studies
14.	DSSL2	Selected topics from inventory management	(S00) Traffic Engineering, Doctoral Academic Studies
15.	DSSL5	Sustainable Logistics	(S00) Traffic Engineering, Doctoral Academic Studies
16.	DSSL6	Logistics outsourcing	(S00) Traffic Engineering, Doctoral Academic Studies
17.	ZRD232	Logistics in the Security Services and Health at Work	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Svetlana Nikoličić, Primena RFID-tehnologija u logistici, Racionalizacija transporta i manipulisanja, 4/04, str. 7-11, YU ISSM 0350-4492
2.	Nikoličić S., Škrinjar D., Stankovski S.: Šta nude RFID tehnologije u logistici, 7. Međunarodni naučno-stručni skup o dostignućima elektro i mašinske industrije - DEMI, Banja Luka: Mašinski fakultet, 27-28 Maj, 2005, pp. 645-651
3.	Nikoličić S., Maslarić M., Stojanović Đ.: Managing Logistic Processes in Retail, Strategic management - Inteniational Joumal of Strategic Management and Decision Support Szstems in Strategic Management, 2008, No 3, pp. 49-53, ISSN 0354-8414, UDK: 005.5:399.372
4.	Nikoličić S., Ostojić T.: Cross-docking kao način racionalizacije distribucije, Poslovna logistika, 2006, No 3, pp. 42-45, ISSN 1452-4767
5.	Stojanović Đ., Maslarić M., Nikoličić S.: The Relationship Between Collaborative Management And Transport Sourcing In Supply Chains, in Developing Sustainable Collaborative Supply Chains , 12. International Symposium on Logistics, Budimpešta: Centre for Concurrent Enterprise, University of Nottingham, Business School, 8-10 Jul, 2007, pp. 579-584, ISBN 978 0853582182

	Representative refferences (minimum 5, not more than 10)
6.	Stojanović Đ., Maslarić M., Nikoličić S.: Using the European Intermodal Transport E-marketplace - The Serbian Perspective , "Strategijski menadžment" Ekonomski fakultet, Subotica, 2008, Vol. 1, No 1, pp. 27-33, ISSN 0354-8414., UDK: 005.51; 658.62
7.	Stojanović Đ., Nikoličić S., Miličić M.: Transport Fleet Sizing by Using Make and Buy Decision-Making, Economic annals, 2011, pp. 77-102, ISSN 0013-3264, UDK: 3.33
8.	Maslarić M., Nikoličić S., Stanković S.: Automatski sistem nabavke u maloprodaji, Poslovna logistika, 2006, No 6, pp. 34-37, ISSN 1452-4767
9.	Maslarić M., Stojanović Đ., Nikoličić S.: Serbian intermodal transport system, Scientific Bulletin of the "Politehnica" University of Timisoara, Romania, Transactions on Mechanics, 2008, Vol. 53, No S4, ISSN 1224-6077
10.	Maslarić M., Stojanović Đ., Nikoličić S.: Logistics industry in Serbia, Scientific Bulletin of the "Politehnica" University of Timisoara, Romania, Transactions on Mechanics, 2008, Vol. 53, No S4, pp. 21-24, ISSN 1224-6077

Summary data for teacher's scientific or art and professional activity:					
Quotation total :	0				
Total of SCI(SSCI) list papers :	1				
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Pantović B. Jovanka
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	13.06.1993
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	2010		Mathematics
PhD thesis	2000	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1996	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1991	Faculty of Sciences - Novi Sad	Mathematical Sciences

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	E145	Operations Research	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E213	Discrete Mathematics and Linear Algebra	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	E221A	Mathematical Analysis 2	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
4.	GI101	Algebra	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
5.	H203	Mathematics 3	(H00) Mechatronics, Undergraduate Academic Studies
6.	IAM002	Discrete and Combinatorial Methods for Computer Graphics	(F10) Engineering Animation, Undergraduate Academic Studies
7.	S053N	Operations research	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
8.	0M512	Models of Computation	(OM1) Mathematics in Engineering, Master Academic Studies
9.	0ML512	Models of Computation	(OM1) Mathematics in Engineering, Master Academic Studies
10.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
11.	D0M08	Applied Abstract Algebra	(OM1) Mathematics in Engineering, Doctoral Academic Studies
12.	D0M13	Theory of Mobile Processes	(OM1) Mathematics in Engineering, Doctoral Academic Studies
13.	D0M14	Process Algebra	(OM1) Mathematics in Engineering, Doctoral Academic Studies
14.	D0M22	Multiple-Valued Logic	(OM1) Mathematics in Engineering, Doctoral Academic Studies

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
15.	D0M23	Clone Theory	(OM1) Mathematics in Engineering, Doctoral Academic Studies
16.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies
17.	AID05	Theory of Mobile Processes	(F20) Engineering Animation, Doctoral Academic Studies
18.	AID06	Graph theory	(F20) Engineering Animation, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Gilezan S., Pantović J., Žunić J.: Partitioning Finite d-Dimensional Integer Grids with Applications, chapter in: Approximation Algorithms and Metaheuristics (editor: T. F. Gonzalez)., Chapman
2.	Ghilezan S., Pantović J., Žunić J.,Separating points by parallel hyperplanes - characteization problem, IEEE Transactions on Neural Networks, 2007, Vol. 18, No. 5, 1356-1363.
3.	Mariangiola Dezani-Ciancaglini, Silvia Ghilezan, Jovanka Pantovic, Daniele Varacca: Security types for dynamic web data. Theor. Comput. Sci, 2008, 402(2-3): 156-171
4.	Pantović J., Vojvodić D., On the cardinality of nonfinitely based functionally complete algebras, Algebra Universalis, Vol. 43, No. 4, 2000, 369-374.
5.	Pantović J., Tošić R., Vojvodić G., The cardinality of functionally complete algebras on a three element set, Algebra Universalis, Vol. 38, No.2, 1997, 136-140.
6.	Pantović J., Machida H., Rosenberg I.: Regular sets of operations, Journal of Multiple Valued Logic and Soft Computing, 2012, Vol. 19, No 1-3, pp. 149-162, ISSN 1542-3980
7.	Machida H., Pantović J.: Three classes of maximal hyperclones, Journal of Multiple Valued Logic and Soft Computing, 2012, Vol. 18, No 2, pp. 201-210, ISSN 1542-3980
8.	Pantović J., Machida H.: Maximal hyperclones on E2 as hypercores , Journal of Multiple Valued Logic and Soft Computing, 2009, pp. 1-13, ISSN 1542-3980
9.	Pantović J., Tošić R., Vojvodić G., Relative completeness with respect to two unary functions, Discrete Applied Mathematics, Vol.113 (2-3), 2001, 337-342.
10.	Marinagiola Dezani-Ciancaglini, Silvia Ghilezan, Jovanka Pantović, Security types for dynamic web data, Proceedings of Trustworthy Global Computing, Lecture Notes in Computer Science, 2007, Vol. 4661, str. 263-280.

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	30			
Total of SCI(SSCI) list papers :	13			
Current projects :	Domestic :	2	International :	3

Science, arts and professional qualifications

Name and last name:	Papić M. Zoran
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.02.1993
Scientific or art field:	Traffic Systems

Academic carieer	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Traffic Systems
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Traffic Engineering
Magister thesis	1998	Faculty of Technical Sciences - Novi Sad	Traffic Systems
Bachelor's thesis	1992	Faculty of Technical Sciences - Novi Sad	Traffic Systems

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	S0433	Traffic Accidents Expertise	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
2.	S0435	Parking and Public Parking Garages	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
3.	S0440	Traffic Terminal Servers	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
4.	M2549	ROAD TRAFFIC FORENSIC ENGINEERING	(M22) Mechanization and Construction Engineering, Master Academic Studies
5.	S0I53F	Forensic Engineering in Traffic	(S00) Traffic and Transport Engineering, Master Academic Studies
6.	S0MI4N	Behaviour processes in traffic engineering	(S00) Traffic and Transport Engineering, Master Academic Studies
7.	SDI24	Road Safety Measures	(S00) Traffic Engineering, Doctoral Academic Studies
8.	DSSB2	Behavioural models in traffic safety	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Analiza savremenih metoda i mogućnosti njihove primene za utvrđivanje sudarnih brzina kod ekspertiza čeonih sudara automobila, magistarska teza, Fakultet tehničkih nauka, Novi Sad, 1998.
2.	Analyze of Changes in Exterior Dimensions of Cars During Collison with Fixed Barriers, Mobility & Vehicle Mechanics, Vol. 23, No.1, Kragujevac, 1997.
3.	Analyses of Car Body Deformable Behaviour in Frontal Off-Set Collision, "MOTAUTO '97", Proceeding Vol.2, Russe, Bulgaria, 1997.
4.	An Analytical approach to determination of the impact speed in frontall passenger car collisions, "MOTOATO 98", Proceeding Vol. III, Sofia october 1998.
5.	Determination of some vehicle parametars necessary for vehicle crash expertise using impulse-balance method, "MOTAUTO' 99", Proceeding Vol. II, Plovdiv, 1999.
6.	Application of Marquard Equations in Vehicle Crash Expertise, "MOTAUTO '01", Proceeding Vol. II, Varna October 2001.
7.	Analiza intenziteta usporenja vozila bez upotrebe radne kočnice, VIII Simpozijum sa međunarodnim učešćem "Prevencija saobraćajnih nezgoda na putevima 2004", Novi Sad, Oktobar 2006.
8.	Ispitivanje pouzdanosti primene kočionog koeficijenta za utvrđivanje brzine kretanja vozila", VII Simpozijum sa međunarodnim učešćem "Prevencija saobraćajnih nezgoda na putevima 2004", Novi Sad, Oktobar 2004.
9.	Uticaj uličnog parkiranja na kapacitet gradskih saobra}ajnica, časopis Tehnika 08/2006, Beograd, 2006.
10.	Prilog istraživanju manevra bočnog izmicanja vozila za potrebe ekspertiza saobraćajnih nezgoda

Summary data for teacher's scientific or art and professional activity:

Quotation total :	0			
Total of SCI(SSCI) list papers :	3			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:	Pilipović R. Stevan
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Sciences - Novi Sad
	01.01.1973
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	1987	Faculty of Sciences - Novi Sad	Mathematics
PhD thesis	1979	Faculty of Sciences - Novi Sad	Mathematics
Magister thesis	1977	Faculty of Mathematics - Beograd	Mathematics
Bachelor's thesis	1973	Faculty of Sciences - Novi Sad	Mathematics

List of courses being held by the teacher in the accredited study programmes			

	ID	Course name	Study programme name, study type
1.	DAU004	Selected Chapters in Mathematics 2	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
2.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
			(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F00) Graphic Engineering and Design, Doctoral Academic Studies
			(F20) Engineering Animation, Doctoral Academic Studies
			(G00) Civil Engineering, Doctoral Academic Studies
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(M40) Technical Mechanics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies
			(Z00) Environmental Engineering, Doctoral Academic Studies
			(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Atanacković TM, Oparnica L, Pilipović S: On a model of viscoelastic rod in unilateral contact with a rigid wall, IMA JOURNAL OF APPLIED MATHEMATICS, (2006) vol.71 br.1 str. 1-13.
2.	Atanackovic, TM Pilipovic, S Zorica, D: A diffusion wave equation with two fractional derivatives of different order, JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, (2007) vol.40 br.20 str. 5319-5333
3.	Pilipovic, S. Teofanov, N. : Multiresolution expansion, approximation order and quasiasymptotic behavior of tempered distributions, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, (2007) vol.331 br.1 str. 455-471
4.	Oberguggenberger, M. Pilipovic, S. Scarpalezos, D. : Positivity and positive definiteness in generalized function algebras, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, (2007) vol.328 br.2 str. 1321-1335
5.	Oberguggenberger, M. Pilipovic, S. Valmorin, V. : Global representatives of Colombeau holomorphic generalized functions, MONATSHEFTE FUR MATHEMATIK, (2007) vol.151 br.1 str. 67-74
6.	Pilipovic, S Scarpalezos, D : Divergent type quasilinear Dirichlet problem with singularities, ACTA APPLICANDAE MATHEMATICAE, (2006) vol.94 br.1 str. 67-82
7.	Pilipovic, Stevan Vuletic, Mirjana : Characterization of wave front sets by wavelet transforms, TOHOKU MATHEMATICAL JOURNAL, (2006) vol.58 br.3 str. 369-391
8.	Hormann, G Oberguggenberger, M Pilipovic, S : Microlocal hypoellipticity of linear partial differential operators with generalized functions as coefficients, TRANSACTIONS OF THE AMERICAN MATHEMATICAL SOCIETY, (2006) vol.358 br.8 str. 3363-3383
9.	Mitrovic, D Pilipovic, S : Approximations of linear Dirichlet problems with singularities, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, (2006) vol.313 br.1 str. 98-119
10.	Pilipovic, Stevan Scarpalezos, Dimitris Valmorin, Vincent : Equalities in algebras of generalized functions, FORUM MATHEMATICUM, (2006) vol.18 br.5 str. 789-801

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	250			
Total of SCI(SSCI) list papers :	258			
Current projects :	Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:	Rajković R. Milan
Academic title:	Senior Science Associate
Name of the institution where the teacher works full time and starting date:	Vinča Institute of Nuclear Sciences - Vinča
	01.01.2000
Scientific or art field:	Physical Science

Academic carieer	Year	Institution	Field
Academic title election:	2005	Vinča Institute of Nuclear Sciences - Vinča	Physical Science
PhD thesis	1997	University of Belgrade - Beograd	Physics
Magister thesis	1983	University of Pennsylvania - Tennessee	Physics
Bachelor's thesis	1982	University of Pennsylvania - Tennessee	Physics

List of courses being held by the teacher in the accredited study programmes			

	ID	Course name	Study programme name, study type
1.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	D. Horak, S. Maletić, M. Rajković, Persistent Homology of Complex Networks, Journal of Statistical Mechanics and Applications (2009) P03034.
2.	Milan Rajković, M.M. Škorić, K. Sølna and G. Antar, Characetrization of Local Turbulence in Magnetic Confinement Devices, Nuclear Fusion 48 (2008) 1-13.
3.	Mladen Nikolić and Milan Rajković, A group theoretic approach to a class of third-order differential equations with two parameter symmetry group solvable by quadratures, Nonlinear Dynamics 48 (2007) 17-27.
4.	Mladen Nikolić and Milan Rajković, Bifurcations in Nonlinear Models of Fluid Conveying Pipes, Journal of Fluids and Structures, 22 (2006),
5.	Z. Mihailović and M. Rajković, Cooperative Parrondo's games on a two-dimensional lattice, Physica A 365 (2006) 244-251
6.	Milan Rajković, Tomo-hiko Watanabe and M.M. Škorić, Level crossing function in the Analysis of Confined Plasma Turbulence, Nuclear Fusion 49 (2009) 095016i
7.	Milan Rajković and M.M. Škorić, Characterization of Intermittency in Plasma Edge Turbulence; Contributions to Plasma Physics 48 (2008) L31-L35.
8.	M. Rajković, Nonextensive entropy as a measure of time series complexity, Physica A 340 (2004) 327-333
9.	M. Rajković and Z. Mihailović, Quantifying Complexity in the Minority Game, Physica A 325 (2003) 40 - 47
10.	Z. Mihailović and M. Rajković, One-dimensional Asynchronous Cooperative Parrondo's Games, Fluctuation and Noise Letters 3 (2003) L389 - 398

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	100			
Total of SCI(SSCI) list papers :	22			
Current projects :	Domestic :	1	International :	1

Science, arts and professional qualifications

Name and last name:		Ralević M. Nebojša	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.10.1990	
Scientific or art field:		Mathematics	

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1997	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1994	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1990	Faculty of Sciences - Novi Sad	Mathematical Sciences

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	H103	Mathematics 1	(H00) Mechatronics, Undergraduate Academic Studies
2.	H107	Mathematics 2	(H00) Mechatronics, Undergraduate Academic Studies
3.	M4201	Mathematics 3	(M30) Energy and Process Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
4.	M4202	Applied Mathematical Analysis	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
5.	P216	Numerical Analysis	(P00) Production Engineering, Undergraduate Academic Studies
6.	0M502	Partial Differential Equations	(OM1) Mathematics in Engineering, Master Academic Studies
7.	0M508	Mathematical Foundations of Fuzzy Systems	(OM1) Mathematics in Engineering, Master Academic Studies
8.	0M517	Numerical Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
9.	0ML502	Partial Differential Equations	(OM1) Mathematics in Engineering, Master Academic Studies
10.	0ML508	Mathematical Foundations of Fuzzy Systems	(OM1) Mathematics in Engineering, Master Academic Studies
11.	0ML517	Numerical Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
12.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
13.	Z506	20BAdvanced Course in Mathematics 1	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
			(Z20) Environmental Engineering, Master Academic Studies
14.	Z506	Viši kurs matematike 1(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
15.	D0M02	Partial Differential Equations	(OM1) Mathematics in Engineering, Doctoral Academic Studies
16.	D0M07	Mathematical Foundations of Fuzzy Systems	(OM1) Mathematics in Engineering, Doctoral Academic Studies
17.	D0M21	Fuzzy Systems and Their Applications	(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	D0M38	Non-linear Equations and Their Applications	(OM1) Mathematics in Engineering, Doctoral Academic Studies
19.	D0M39	Optimization Methods and Mathematical Modelling	(OM1) Mathematics in Engineering, Doctoral Academic Studies

	ID	Course name	Study programme name, study type
20.	DOM54	Computational geometry	(F20) Engineering Animation, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
21.	DOM55	Pattern Recognition	(F20) Engineering Animation, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
22.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. E. Pap, N. Ralević, Pseudo-Laplace transform, Nonlinear Analysis: Theory Methods and Applications, 33 (1998), 533-550.

2. N. M. Ralević, Lj. M. Nedović, T. Grbić, The pseudo-linear superposition principle for nonlinear partial differential equations and representation of their solution by the pseudo-integral, Fuzzy Sets and Systems 155 (2005) 89-101.

3. Lj. M. Nedović, N. M. Ralević, T. Grbić,Large deviation principle with generated pseudo measures,Fuzzy Sets and Systems 155 (2005) 65-76.

4. T. Lukić, N. M. Ralević, Geometric Mean Newton"s Method for Simple and Multiple Roots, Applied Mathematics Letters (accepted).

5. N. M. Ralević,One characterization of Navier-Stokes equation, Acta Mechanica Slovaca, Košice, ročnik 8., č. 4/2004, str. 97-102.

6. N. Ralević, Some new properties of g-calculus, Univ. u Novom Sadu Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 24, 1 (1994), 139-157.

7. E. Pap, N. Ralević, Pseudo operations on finite intervals, Novi Sad J. Math. Vol. 29, No. 1, 1999, 1-6

8. N. M. Ralević, A generalization of the Pseudo-Laplace transform, Novi Sad J. Math. Vol. (accepted).

9. I. Kovačević, N. Ralević, Funkcionalna analiza, Edicija tehničke nauke, Novi Sad (2004), 203 str.

10. I. Kovačević, N. Ralević, Matematička analiza I (uvodni pojmovi i granični procesi), Novi Sad (2000), 155 str.

Summary data for teacher's scientific or art and professional activity:

Quotation total :	28			
Total of SCI(SSCI) list papers :	10			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:	Rebolj S. Danijel
Academic title:	Guest Professor
Name of the institution where the teacher works full time and starting date:	-
Scientific or art field:	Traffic Systems

Academic carieer	Year	Institution	Field
Academic title election:	2009		Traffic Systems
PhD thesis	1992	Essex university - Nepoznato	Applied Computer Science and Informatics
Magister thesis	1989	University of Maribor - Maribor	Applied Computer Science and Informatics
Bachelor's thesis	1982	University of Maribor - Maribor	Civil Engineering

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	DSIM3	Application of Informational Technologies and Measurements in Traffic Engineering	(S00) Traffic Engineering, Doctoral Academic Studies
2.	DSIM4	Methods in Traffic Infrastructure Management	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)
1. D. Rebolj: Računalništvo in informatika, Maribor, Fakulteta za gradbeništvo, 1999. (COBISS.SI-ID 98402304)
2. D. Rebolj: Informacijski sistemi v prometu: zbrana gradiva. Maribor: Fakulteta za gradbeništvo, 1997. 88 str. (DOBISS.SI-ID 3543830)
3. D. Rebolj: Hebung des Abstraktionsniveaus der prozeduralorientierten Programmpakete mit der Objektschalenmethode zur flexiblen Verknupfung der Prozesse am Beispiel des Strassenentwurfs, Graz: Verlag fur die Technische Universitat, 1993, VI, 87str, ISBN 3-7041-9504-9
4. D. Rebolj: Integration of computer supported procsses in road life cycle. Journal of transportation engineering, 1999, 125, no. 1, pp. 39-45 (COBISS.SI-ID 4187926)
5. N. Čuš Babič, D. Rebolj, A. Magdič, M. Radosavljević: MC as a means for supporting information flow in construction processes. Concurrent engineering: research and applications. 2003, vol. 11, no. 1, pp. 37-46 (COBISS.SI-ID 8034326)
6. D. Rebolj, N. Čuš Babič, A. Magdič, P. Podbreznik, M. Pšunder: Automated construction activity monitoring system. Advanced engineering informatics. Oct. 2008, vol. 22, no. 4, pp. 493-503 (COBISS.SI-ID 12460310)
7. D. Zalar, D. Rebolj, T. Tollazzi: Implementacija produktnoga modela ceste u informacijski sustav za upravljanje cestama. Suvremeni promet, 2005. vol. 25, no. 6, str. 436-440 (COBISS.SI-ID 9987094)
8. D. Rebolj, A. Tibaut, N. Čuš Babič, A. Magdič, P. Podbreznik: Development and application of a road product model. Automation in construction. Aug. 2008, vol. 17, iss. 6, pp. 719-728, (COBISS.SI-ID 12125974)
9. D. Rebolj, K. Menzel, D. Dinevski: A virtual classroom for information technology in construction. Computer Applications in Engineering Education, 2008, vol. 16, no. 2, pp. 105-114. (COBISS.SI-ID 12179734)
10. M. Lipičnik, D. Slavinec, D. Rebolj, A. Štrukelj: Računalniško podprti informacijski sistem v cestnem prometu. Suvremeni promet, 9 (1987), 4, str. 285-289 (COBISS.SI-ID 568324)

Summary data for teacher's scientific or art and professional activity:			
Quotation total :	0		
Total of SCI(SSCI) list papers :	4		
Current projects :	Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:		Satarić V. Miljko	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		03.01.1973	
Scientific or art field:		Physics	

Academic carieer	Year	Institution	Field
Academic title election:	1995	Faculty of Technical Sciences - Novi Sad	Physics
PhD thesis	1984	School of Electrical Engineering - Beograd	Physics
Magister thesis	1979	School of Electrical Engineering - Beograd	Physics
Bachelor's thesis	1972	Faculty of Sciences - Novi Sad	Physics

	List of courses being held by the teacher in the accredited study programmes		

	ID	Course name	Study programme name, study type
1.	E103	Physics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	E215	Physics	(E20) Computing and Control Engineering, Undergraduate Academic Studies
3.	Z103	Selected Chapters in Physics 1	(Z01) Safety at Work, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
4.	Z110	Selected Chapters in Physics 2	(Z01) Safety at Work, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
5.	EI410	Biophysics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
6.	DE203S	Odabrana poglavlja iz kvantne elektronike	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
7.	DE301S	Molekularna elektronika(uneti naziv na engleskom)	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
8.	DZ01FS	Selected Chapters in Physics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
9.	EM511	Quantum and Organic Electronics	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
10.	SI028	Biophysics	(E00) Power, Electronic and Telecommunication Engineering, Specialised Professional Studies
11.	DE203	Selected Chapters in Quantum Electronics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
12.	DE301	Molecular Electronics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies

	ID	Course name	Study programme name, study type
13.	DZ01F	Selected Chapters in Physics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
			(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F00) Graphic Engineering and Design, Doctoral Academic Studies
			(G00) Civil Engineering, Doctoral Academic Studies
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(M40) Technical Mechanics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies
			(Z00) Environmental Engineering, Doctoral Academic Studies
			(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. S. Zdravković, M.V. Satarić, "Single-Molecule Unzipping Experiments on DNA Peyrard-Bishop-Dauxois Model",Phys.Rev.E73,021905-11,2006.

2. J. A. Tuszynski, J. A. Brown, E. Crawford, E. J. Carpenter, M. L. A. Nip, J. M. Dixon, M. Satarić, "Molecular dynamics simulations of tubulin structure and calculations of electrostatic properties of microtubules", Mathematical and Computer Modelling, vol. 41, no.10, pp. 1055-1070, 2005.

3. M. Satarić, B. Satarić, J. A. Tuszynski, "Nonlinear model of microtubule dynamics", Electromagnetic Biology and Medicine, vol.24, no. 3, pp. 255-264, 2005.

4. S. Zdravković J. A. Tuszynski, M. Satarić "Peyrard-Bishop-Dauxois model of DNA dynamics and impact of viscosity", Journal of Computational and Theoretical Nanoscience, vol. 2, no. 2, pp. 263-271, 2005.

5. S. Zdravković, M. Satarić, "Optical and Acoustical Frequencies in a Nonlinear Helicoidal Model of DNA Molecule", Chinese Physics Letters 22, pp. 850-853, 2005.

6. S. Portet, J. A. Tuszynski, J. M. Dixon, M. Satarić, "Models of spatial and orientational self-organization of microtubules under the influence of gravitational fields", Physical Review E, vol. 68, no. 2, 2003.

7. M. Satarić, J. A. Tuszynski, "Relationship between the nonlinear ferroelectric and liquid crystal models for microtubules", Physical Review E, vol. 67, no. 1, 2003.

8. S. Zdravković, M. Satarić, "DNA dynamics and big viscosity", International Journal of Modern Physics B, vol.17, no. 31-32, pp. 5911-5923, 2003.

9. M. Satarić, J. A. Tuszynski, "Impact of regulatory proteins on the nonlinear dynamics of DNA", Physical Review E, vol. 65, no. 5, 2002.

10. G. Keković, D. Raković, M. Satarić, D. Koruga, "A kink-soliton model of charge transport through microtabular cytoskeleton", Current Research in Advanced Materials and Processes, vol. 494, pp. 507-512, 2005.

Summary data for teacher's scientific or art and professional activity:

Quotation total :	295			
Total of SCI(SSCI) list papers :	67			
Current projects :	Domestic :	1	International :	2

Science, arts and professional qualifications

Name and last name:	Simeunović M. Milan
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.03.1998
Scientific or art field:	Transport Organization and Technology

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Transport Organization and Technology
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Traffic Engineering
Magister thesis	2001	Faculty of Technical Sciences - Novi Sad	Traffic Engineering
Bachelor's thesis	1997	Faculty of Technical Sciences - Novi Sad	Traffic Engineering

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	S0432	Traffic Flow Theory	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(G00) Civil Engineering, Undergraduate Academic Studies
2.	S0436	Urban Public Transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
3.	S0441	Urban Public Transport Technology	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
4.	S051	Traffic Design	(S00) Traffic and Transport Engineering, Master Academic Studies
5.	S0I591	Quality System in Road Transport	(S00) Traffic and Transport Engineering, Master Academic Studies
6.	S0I592	Project Evaluation	(S00) Traffic and Transport Engineering, Master Academic Studies
7.	S0I594	Traffic Forecasts	(S00) Traffic and Transport Engineering, Master Academic Studies
8.	S0MJ4	Planning of Public transport	(S00) Traffic and Transport Engineering, Master Academic Studies
9.	SOP2	Transportation Demand Management	(S00) Traffic and Transport Engineering, Master Academic Studies
10.	SDI6	Optimization of the Goods Transportation Process	(OM1) Mathematics in Engineering, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies
11.	SDI7	Passenger Transport Process Optimization	(S00) Traffic Engineering, Doctoral Academic Studies
12.	DSSK3A	Research and simulation of road traffic flow	(S00) Traffic Engineering, Doctoral Academic Studies
13.	DSSK4	Urban planning and development of transport networks	(S00) Traffic Engineering, Doctoral Academic Studies
14.	DSSK6	Maintainable urban transport systems	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Pavle Gladović, Milan Simeunović, Sistemi javnog autotransporta robe, Fatkultet tehničkih nauka, 2004.
2.	Simeunović M., Leković M., Bogdanović V., Papić Z., Pitka P.: The application of a five-regime model in adaptive traffic control, Technics Technologies Education Management / TTEM, 2013, Vol. 8, No 1.2/3, ISSN 1840-1503
3.	Simeunović M., Leković M., Papić Z., Pitka P.: The influence of vehicle headway irregularity in public transport on in-vehicle passenger comfort, Scientific Research and Essays, 2012, Vol. 7, No 32, pp. 2874-2881, ISSN 1992-2248
4.	Simeunović M., Leković M., Radojković M., Pitka P.: The Information System "Isput" for Monitoring and Controlling Transport, Suvremeni promet, 2011, pp. 65-69, ISSN 0351-1898, UDK: 343.346:614.8
5.	Pavle Gladović, Milorad Eskić, Milan Simeunović, 16. Geometrijski model upravljanja procesom preventivnog održavanja fuzzy logikom, Časopis "TEHNIKA", br. 4/5 Beograd 2003, str 7-17.
6.	Pavle Gladović, Milan Simeunović, Milica Miličić, Kvalitet usluge u drumskom transportu, Časopis Saveza inženjera i tehničara "TEHNIKA" br.3, str 113-120, Beograd 2004.
7.	Milan Simeunović, Vreme čekanja kao parametar kvaliteta prevozne usluge u javnom prevozu putnika, str. 245-251 10th International Conference DEPENDABILITY AND QUALITY MANAGEMENT ICDQM-2007 Belgrade, Serbia, 13-14 June 2007.
8.	Milomir Veselinović, Milan Simeunović, Ravnomernost intervala u funkciji kvaliteta usluge u javnom prevozu, "SAVREMENE STRATEGIJE UNAPREĐENJA SAOBRAĆAJA U GRADOVIMA, Novi Sad, 18–19. X.2007
9.	Milomir Veselinović, Milan Stanisaljević, Milan Simeunović, Značaj železnice u raspodeli putovanja po podsistemima u javnom gradskom i prigradskom prevozu putnika, JUŽEL, Vrnjačka Banja, 1999. str 533-536

Representative refferences (minimum 5, not more than 10)	
10.	Pavle Gladović, MIlan Simeunović, Milica Miličić, Zahtevani kvalitet usluge sistema javnog gradskog i prigradskog prevoza putnika, 10th International Conference DEPENDABILITY AND QUALITY MANAGEMENT ICDQM-2007 Belgrade, Serbia, 13-14 June 2007.str 269-275

Summary data for teacher's scientific or art and professional activity:			
Quotation total :	1		
Total of SCI(SSCI) list papers :	2		
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Simić S. Dragan
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.03.2009
Scientific or art field:	Integral Transport and Logistics

Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Integral Transport and Logistics
PhD thesis	2004	Faculty of Sciences - Novi Sad	Informatics and Computing
Magister thesis	2001	Faculty of Technical Sciences - Novi Sad	Informatics and Computing
Bachelor's thesis	1987	Faculty of Technical Sciences - Novi Sad	Electronics and Telecommunications

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	S01321	Information technology basics	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
2.	S024N	Information technologies in transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
3.	S0I598	E-Logistics	(S00) Traffic and Transport Engineering, Master Academic Studies
4.	BMIM4E	Data analysis in clinical research	(BM0) Biomedical Engineering, Master Academic Studies
5.	S0M22	PROJECT MANAGEMENT	(S00) Traffic and Transport Engineering, Master Academic Studies
6.	SI593	Information systems for managing Enterprise resource planing	(S01) Postal Traffic and Telecommunications, Master Academic Studies
7.	DSA00	Logistics of Heterogeneous Intensive Processes	(S00) Traffic Engineering, Doctoral Academic Studies
8.	DSIM9	E-logistics	(S00) Traffic Engineering, Doctoral Academic Studies
9.	DSN1	Logistics Systems	(OM1) Mathematics in Engineering, Doctoral Academic Studies
10.	DSSL2	Selected topics from inventory management	(S00) Traffic Engineering, Doctoral Academic Studies
11.	DSSL3	Warehause and storage	(S00) Traffic Engineering, Doctoral Academic Studies
12.	DSSL4	Logistics information systems	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Dragan Simić, Ilija Kovačević, Svetlana Simić, "Insolvency prediction for assessing corporate financial health". Logic Journal of the IGPL, Vol. 20, Num 3, pp. 536-549 (2012) ISSN 1367-0751
2.	Svetlana Simić, Dragan Simić, Milan Cvijanović. "Clinical and socio-demographic characteristics of tension type headache in working population". HealthMED – Vol. 6, Num. 4, 2012. pp. 1341-1347. ISSN: 1840-2991
3.	Simić Svetlana, Simić Dragan: "Relationship between sociodemographic characteristics and migraine in working women". HealthMED, Vol. 4, Num. 1 (2010) pp. 21-28
4.	Dragan Simić, Svetlana Simić, "An approach to efficient business intelligent system for financial prediction", In: Mu-Yen Chen (ed.) "Soft Computing¬" Vol. 11, Num 12, October 2007, pp. 1185-1192, Springer-Verlag, Berlin Heidelberg (2007). ISSN 1432-7643
5.	Dragan Simić, Zoran Budimac, Vladimir Kurbalija, Mirjana Ivanović, Case-Based Reasoning for Financial Prediction, In: Moonis Ali, Floriana Esposito (eds.) "Innovations in Applied Artificial Intelligence", LNAI vol. 3533, pp. 839-841. Springer-Verlag, Berlin Heidelberg (2005). ISSN 0302-9743
6.	Dragan Simić, Svetlana Simić, "Hybrid Artificial Intelligence Approaches on Vehicle Routing Problem in Logistics Distribution","Hybrid Artificial Intelligent Systems", LNAI, vol. 7208, pp. 208-220. Springer-Verlag Berlin Heidelberg (2012), DOI: 10.1007/978-3-642-28942-2_19, ISSN 0302-9743
7.	Dragan Simić, Dragana Milutinović, Svetlana Simić, Vesna Suknjaja:"Hybrid Patient Classification System in Nursing Logistics Activities". "Hybrid Artificial Intelligent Systems", LNAI vol. 6679, pp. 421-428. Springer-Verlag, Berlin Heidelberg (2011). ISSN 0302-9743
8.	Dragan Simić, Svetlana Simić, Ilija Tanackov, "An Approach of Soft Computing Applications in Clinical Neurology", "Hybrid Artificial Intelligent Systems", LNAI vol. 6679, pp. 429-436. Springer-Verlag, Berlin Heidelberg (2011). ISSN 0302-9743
9.	Dragan Simić, Svetlana Simić, "A Review: Approach of Fuzzy Models Application in Logistics", "ADVANCES IN INTELLIGENT AND SOFT COMPUTING", vol. 95, Computer Recognition Systems 4, pp. 717-726, ISSN 1867-5662, ISBN 978-3-642-20319-0, Springer-Verlag Berlin Heidelberg, 2011
10.	Ilija Tanackov, Dragan Simić, Sinisa Sremac, Jovan Tepić, Suncica Kocić-Tanackov: "Markovian Ants in a Queuing System", "Hybrid Artificial Intelligent Systems", LNAI vol. 6076, pp. 32-39. Springer-Verlag, Berlin Heidelberg (2010). ISSN 0302-9743

Summary data for teacher's scientific or art and professional activity:	
Quotation total :	0

	UNIVERSITY OF NOVI SAD	
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6	
	Study Programme Accreditation - PhD Studies	
	DOCTORAL ACADEMIC STUDIES	Traffic Engineering

Total of SCI(SSCI) list papers :	6			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:		Sladoje Matić I. Nataša	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		14.03.1994	
Scientific or art field:		Mathematics	
Academic carieer	Year	Institution	Field
Academic title election:	2011		Mathematics
PhD thesis	2005	University of Novi Sad - Novi Sad	Mathematical Sciences
Magister thesis	1998	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1992	Faculty of Sciences - Novi Sad	Mathematical Sciences

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	A101	Mathematics	(A00) Architecture, Undergraduate Academic Studies
2.	E135B	Mathematical Analysis 2	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
3.	GI107	Mathematical Analysis 1	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
4.	IAM001	Mathematical Shape Modeling for Computer Animation	(F10) Engineering Animation, Undergraduate Academic Studies
5.	IAM004	Geometry of Discrete Space	(F10) Engineering Animation, Undergraduate Academic Studies
6.	IGA008	Mathematics for Engineering Graphics	(F10) Engineering Animation, Undergraduate Academic Studies
7.	BMI91	Mathematics 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies
8.	BMI92	Mathematics 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	E101A	Discrete Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
10.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
11.	Z506	20BAdvanced Course in Mathematics 1	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
			(Z20) Environmental Engineering, Master Academic Studies
12.	IA018	Computer Geometry	(F20) Engineering Animation, Master Academic Studies
13.	D0M28	Digital Geometry	(OM1) Mathematics in Engineering, Doctoral Academic Studies
14.	D0M29	Image Processing 1	(OM1) Mathematics in Engineering, Doctoral Academic Studies
15.	D0M30	Image Processing 2	(OM1) Mathematics in Engineering, Doctoral Academic Studies
16.	D0M31	Applied Algorithms	(OM1) Mathematics in Engineering, Doctoral Academic Studies
17.	D0M32	Combinatorial and Geometric Algorithms	(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	D0M33	Positional Games	(OM1) Mathematics in Engineering, Doctoral Academic Studies

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
19.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
			(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F00) Graphic Engineering and Design, Doctoral Academic Studies
			(F20) Engineering Animation, Doctoral Academic Studies
			(G00) Civil Engineering, Doctoral Academic Studies
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(M40) Technical Mechanics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies
			(Z00) Environmental Engineering, Doctoral Academic Studies
			(Z01) Safety at Work, Doctoral Academic Studies
20.	AID07	Digital geometry	(F20) Engineering Animation, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Sladoje N., Lindblad J., Nystrom I.: Defuzzification of spatial fuzzy sets by feature distance minimization. , Image and Vision Computing, 2011, Vol. 29, No 2-3, pp. 127-141, ISSN 0262-8856
2.	Lukić T., Lindblad J., Sladoje N.: Regularized Image Denoising Based on Spectral Gradient Optimization, Inverse Problems, 2011, Vol. 27, No 8, pp. 8501-1, ISSN 0266-5611
3.	Sladoje N., Lindblad J.: High precision boundary length estimation by utilizing grey-level information , IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, Vol. 31, No 2, pp. 357-363, ISSN 0162-8828
4.	N. Sladoje and J. Lindblad, "Representation and Reconstruction of Fuzzy Disks by Moments", Fuzzy Sets and Systems, Vol. 158, No. 5, pp. 517-534, 2007.<\eng>
5.	N. Sladoje, I. Nyström, and P.K. Saha, "Measurements of digitized objects with fuzzy borders in 2D and 3D", Image and Vision Computing, vol. 23, pp 123-132, 2005.<\eng>
6.	J. Zunic and N. Sladoje, "Efficiency of Characterizing Ellipses and Ellipsoids by Discrete Moments", IEEE Trans. Pattern Analysis and Machine Intelligence, vol.22, No.4, pp 407-414, 2000.<\eng>
7.	J. Chanussot, I. Nyström and N. Sladoje, "Shape signatures of fuzzy star-shaped sets based on distance from the centroid", Pattern Recognition Letters, vol. 26(6), pp. 735-746, 2005.<\eng>
8.	Ćurić,V., Lindblad, J., Sladoje, N., Sarve, H., Borgefors, B. A new set distance and its application to shape registration. Accepted for Pattern Analysis and Applications, 2012.
9.	Lindblad L., Sladoje N. Coverage Segmentation based on Linear Unmixing and Minimization of Perimeter and Boundary Thickness. Pattern Recognition Letters, Vol. 33, No.6, pp. 728-738, 2012.
10.	Malmberg F., Lindblad J., Sladoje N., Nystrom I.: A graph-based framework for sub-pixel image segmentation, Theoretical Computer Science, 2011, Vol. 412, No 15, pp. 1338-1349

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	71			
Total of SCI(SSCI) list papers :	21			
Current projects :	Domestic :	2	International :	3

Science, arts and professional qualifications

Name and last name:	Spasić T. Dragan
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.09.1985
Scientific or art field:	Mechanics

Academic carieer	Year	Institution	Field
Academic title election:	2005	Faculty of Technical Sciences - Novi Sad	Mechanics
PhD thesis	1993	Faculty of Technical Sciences - Novi Sad	Mechanics
Magister thesis	1991	Faculty of Mathematics - Beograd	Mechanics
Bachelor's thesis	1884	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems

List of courses being held by the teacher in the accredited study programmes			

	ID	Course name	Study programme name, study type
1.	A207	Mechanics	(A00) Architecture, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
2.	H112	Mechanics 1 – Fundamentals	(H00) Mechatronics, Undergraduate Academic Studies
			(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
3.	H201	Mechanics 2 - General	(H00) Mechatronics, Undergraduate Academic Studies
4.	H303	Mechatronics 3 – Further Chapters	(H00) Mechatronics, Undergraduate Academic Studies
5.	I600	Industrial Robotics	(F10) Engineering Animation, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
6.	M4302	Biomechanics and mechanics of sport	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
7.	ASO	Introduction to engineering	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
8.	BMI127	Biomechanics	(BM0) Biomedical Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
9.	BMI128	Continuum Biomechanics	(BM0) Biomedical Engineering, Undergraduate Academic Studies
10.	BMI96	Mechanics	(BM0) Biomedical Engineering, Undergraduate Academic Studies
11.	II1004	Mechanics and Industrial Engineering	(I10) Industrial Engineering, Undergraduate Academic Studies
12.	M44041	Dynamics of non-smooth mechanical systems	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
13.	M44061	Optimization of mechanical systems	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
14.	BMIM4A	Transport phenomena and Living systems	(BM0) Biomedical Engineering, Master Academic Studies
15.	M45991	Biomechanics of cardiovascular system	(M40) Technical Mechanics and Technical Design, Master Academic Studies
16.	SZD051	Applications of optimal control theory in living environment protection	(Z00) Environmental Engineering, Specialised Academic Studies
17.	DM406	Nonsmooth Mechanics and Optimization	(H00) Mechatronics, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(M40) Technical Mechanics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	DZ003	Selected Chapters in Mechanics	(M00) Mechanical Engineering, Doctoral Academic Studies

	ID	Course name	Study programme name, study type
19.	ZD051	Applications of optimal control theory in living environment protection	(Z00) Environmental Engineering, Doctoral Academic Studies
20.	DM801	Biomedical mechanics	(M40) Technical Mechanics, Doctoral Academic Studies
21.	DTM02	Theory of impact	(H00) Mechatronics, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(M40) Technical Mechanics, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies
22.	DTM03	Biomechanical models and analysis of impact	(M40) Technical Mechanics, Doctoral Academic Studies
23.	ZRD16A	Selected chapters in mechanics and elasticity theory	(Z01) Safety at Work, Doctoral Academic Studies

List of courses being held by the teacher in the accredited study programmes

Representative refferences (minimum 5, not more than 10)

1.	Spasić D., Glavardanov V.: Does generalized elastica lead to bimodal optimal solutions?, International Journal of Solids and Structures, 2009, Vol. 46, No 14-15, pp. 2939-2949, ISSN 0020-7683
2.	Grahovac N., Žigić M., Spasić D.: On impact scripts with both fractional and dry friction type of dissipation, INT J BIFURCAT CHAOS, 2012, No Prihvaćen za štampu, ISSN 0218-1274
3.	D. T. Spasic and T. M. Atanackovic (2004), "Bimodal optimization of a compressed rotating rod", Acta Mechanica, 173, N 1-4, 77-87
4.	Spasić D.: Optimizing the elctrodynamical stabilization method for a man-made Earth satellite, AUTOMAT REM CONTR , 2011, Vol. 72, No 9, pp. 112-121, ISSN 0005-1179
5.	Petrović Lj., Spasić D., Atanacković T.: On a mathematical model of a human root dentin , Dental Materials, 2005, Vol. 21, pp. 125-128, ISSN 0109-5641
6.	Mitić G., Spasić D.: Clinical Characteristic and type of thrombophilia in women with pregnancy-related venous thromboembolic disease, GYNECOL OBSTET INVES, 2011, Vol. 72, No 2, pp. 103-108, ISSN 0378-7346
7.	T. M. Atanackovic and D. T. Spasic, (2004): "On viscoelastic compliant contact-impact models", Transactions of ASME Journal of Applied Mechanics, 71, 134-138
8.	Radovic R., Spasic D.T., Karadzic B., Novakovic B., Atanackovic J., Jelicic Z.. and Tepavcevic B., (2002), ""New challenges and opportunities for the city of Novi Sad"", Coordinated by T. Atanackovic, The Danube Commision of EU and The University of Novi Sad, (monograph 157 pages in English and Serbian)
9.	Spasić D.: Boudary elements, theory and applications (English to serbian traslation done by D.T. Spasić), Beograd, Gradjevinska knjiga, 2011
10.	BD Vujanović, DT Spasić: Metodi optimizacije: primenjeni varijacioni račun, analitička mehanika, optimalno upravljanje, UNS, 1997.

Summary data for teacher's scientific or art and professional activity:

Quotation total :	16			
Total of SCI(SSCI) list papers :	8			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:		Stojaković M. Mila	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.12.1975	
Scientific or art field:		Mathematics	

Academic carieer	Year	Institution	Field
Academic title election:	1993	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1980	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1978	Faculty of Mathematics - Beograd	Mathematical Sciences
Bachelor's thesis	1975	Faculty of Sciences - Novi Sad	Mathematical Sciences

	List of courses being held by the teacher in the accredited study programmes		
	ID	**Course name**	**Study programme name, study type**
1.	E121	Mathematical Analysis 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E135	Probability, Statistics and Stochastic Processes	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	E221A	Mathematical Analysis 2	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
4.	E224A	Probability and Stochastic Processes	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
5.	ZC006	Probability, Statistics and Random Processes	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
6.	0M504	Operational Research	(OM1) Mathematics in Engineering, Master Academic Studies
7.	0M505	Stochastic Processes	(OM1) Mathematics in Engineering, Master Academic Studies
8.	0ML504	Operational Research	(OM1) Mathematics in Engineering, Master Academic Studies
9.	0ML505	Stochastic Processes	(OM1) Mathematics in Engineering, Master Academic Studies
10.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
11.	IAM005	Mathematical Game Theory	(F20) Engineering Animation, Master Academic Studies
			(OM1) Mathematics in Engineering, Master Academic Studies
12.	SD0M03	Operational Research	(GI0) Geodesy and Geomatics, Specialised Academic Studies
13.	SD0M15	Statistics	(GI0) Geodesy and Geomatics, Specialised Academic Studies
14.	ZR503	Statistical Advanced Models	(Z01) Safety at Work, Master Academic Studies
15.	D0M03	Operational Research	(OM1) Mathematics in Engineering, Doctoral Academic Studies

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
16.	D0M04	Random Processes	(OM1) Mathematics in Engineering, Doctoral Academic Studies
17.	D0M15	Statistics	(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	D0M27	StatisticsApplied in Engineering	(OM1) Mathematics in Engineering, Doctoral Academic Studies
19.	DAU004	Selected Chapters in Mathematics 2	(E20) Computing and Control Engineering, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies
20.	DOM59	Fixed point theory	(OM1) Mathematics in Engineering, Doctoral Academic Studies
21.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Mila Stojaković, Decomposition and representation of fuzzy valued measure, Fuzzy Sets and Systems, 112(2000) 251-256
2.	Mila Stojaković, Fuzzy conditional expectation, Fuzzy Sets and Systems, 52(1992) 49-54
3.	Mila Stojaković, Fuzzy random variable, expectation, martingales, J.Math.Anal.Appl., 184(1994) 594-606.
4.	Mila Stojaković, Fuzzy martingales, Stochastic Analysis and Applications, 14(1996), 355-368.
5.	Mila Stojaković, Zoran Stojaković, Support function for fuzzy set, Proceedings of Royal Society, London A, 452(1996), 421-438.
6.	Mila Stojaković, Zoran Stojaković, Addition and series of fuzzy sets, Fuzzy Sets and Systems, 83(1996) 341-346.
7.	Mila Stojaković, Representation of fuzzy valued mappings, Fuzzy Sets and Systems, 98(1998) 375-381.
8.	Mila Stojaković, Fuzzy valued measure, Fuzzy Sets and Systems,65(1994) 95-104 .
9.	Mila Stojaković, Common fixed point theorems in complete metric and probabilistic spaces,Bull. Australian Math. Soc.,36(1987)73-88.
10.	Mila Stojaković, Zoran Ovcin,Fixed point theorems and variational principle..., Fuzzy Sets and Systems, 66(1994)353-356.

Summary data for teacher's scientific or art and professional activity:

Quotation total :	71			
Total of SCI(SSCI) list papers :	16			
Current projects :		Domestic :	1	International :	1

Science, arts and professional qualifications

Name and last name:	Stojanović M. Đurđica
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	26.01.1996
Scientific or art field:	Integral Transport and Logistics

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Integral Transport and Logistics
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Integral Transport and Logistics
Magister thesis	2002	Faculty of Technical Sciences - Novi Sad	Integral Transport and Logistics
Bachelor's thesis	1994	Faculty of Technical Sciences - Novi Sad	Traffic Systems

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	S0212	Freight Forwarding	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
2.	S0330	Intermodal Transport Technology	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
3.	S01552	Freight forwarding in postal traffic	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
4.	LIM31	Reverse and Green logistics	(S00) Traffic and Transport Engineering, Master Academic Studies
5.	LIM01	Fundamentals of Logistics	(LIM) Logistic Engineering and Management, Master Academic Studies
6.	LIM03	Technologies of Combined Transport	(LIM) Logistic Engineering and Management, Master Academic Studies
7.	LIM09	External Logistic System Planning	(LIM) Logistic Engineering and Management, Master Academic Studies
8.	LIM11	Supply Chain Design and Management	(LIM) Logistic Engineering and Management, Master Academic Studies
9.	LIM22	Logistic Controlling and Benchmarking	(LIM) Logistic Engineering and Management, Master Academic Studies
10.	LIM23	Logistic Centers	(LIM) Logistic Engineering and Management, Master Academic Studies
11.	LIM24	Urban Logistics	(LIM) Logistic Engineering and Management, Master Academic Studies
12.	LIM26	International Logistics and Global Supply Chains	(LIM) Logistic Engineering and Management, Master Academic Studies
13.	DSSL1	Supply chain management	(S00) Traffic Engineering, Doctoral Academic Studies
14.	DSSL2	Selected topics from inventory management	(S00) Traffic Engineering, Doctoral Academic Studies
15.	DSSL5	Sustainable Logistics	(S00) Traffic Engineering, Doctoral Academic Studies
16.	DSSL6	Logistics outsourcing	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Gajić, V. Cakić, Đ.: „Praktikum iz špedicije – elementi teorije, primeri i zadaci", izdavač FTN, ISBN 978-86-7892-052-3, Novi Sad, 2007
2.	Stojanović Đ., Gajić V.: Praktikum iz špedicije - elementi teorije, primeri i zadaci, drugo izmenjeno i dopunjeno izdanje, Novi Sad, Fakultet tehničkih nauka, Univerzitet u Novom Sadu , 2010, str. 1-211, ISBN 978-86-7892-300-5, UDK: 656.96(075.8)
3.	Stojanović Đ., Veličković M.: THE IMPACT OF FREIGHT TRANSPORT ON GREENHOUSE GASES EMISSIONS IN SERBIAN CITIES - THE CASE OF NOVI SAD, Metalurgia international, 2012, No 6, pp. 196-201, ISSN 1582-2214
4.	Maslarić M., Stojanović Đ., Nikoličić S.: Serbian intermodal transport system, Scientific Bulletin of the "Politehnica" University of Timisoara, Romania, Transactions on Mechanics, 2008, Vol. 53, No S4, ISSN 1224-6077
5.	Cakić, Đ., Maslarić, M., Nikoličić, S.: Using the European Intermodal Transport E-marketplace - The Serbian Perspective, International Journal of Strategic Management and Decision Support Systems in Strategic Management, 2008, Vol. 1, No. 1, str. 27- 33, UDK: 005.51; 658.62, ISSN 0354-8414.
6.	Stojanović Đ., Veličković M., Gajić V.: Razvoj ekološki orijentisane urbane logistike, Ekologica, 2012, Vol. 19, No 66, pp. 195-200, UDK: 502.7

	Representative refferences (minimum 5, not more than 10)				
7.	Tomic I., Stojanović Đ., Maslarić M.: Trends in forwarding industry in Serbia and the role of small and medium forwarding enterprises (SMFEs), 12. XIIth International Symposium "Young people and multidisciplinary research", Timisoara: Association for Multidisciplinary Research of the West Zone of Romania, 11-12 Novembar, 2010, pp. 50-55, ISBN 1843-6609				
8.	Veličković M., Stojanović Đ., Basarić V.: An approach to city logistics terminal location problem in Novi Sad, Scientific Bulletin of the "Politehnica" University of Timisoara, Romania, Transactions on Mechanics, 2011, ISSN 1224-6077				
9.	Ilin V., Stojanović Đ., Gajić V.: The characteristics of reverse logistics in small and medium enterprises (SMEs) in Novi Sad, 11. International Conference on Industrial Logistics, Zadar: Faculty of Mechanical Engineering and Naval Architecture, 14-16 Jun, 2012, pp. 376-383, ISBN 978-953-7738-16-7				
10.	Logistički autsorsing, FTN, 2012 (dato na recenziju)				
	Summary data for teacher's scientific or art and professional activity:				
	Quotation total :	0			
	Total of SCI(SSCI) list papers :	1			
	Current projects :	Domestic :	2	International :	1

Science, arts and professional qualifications

Name and last name:	Stojić S. Gordan
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.01.2008
Scientific or art field:	Transport System Technologies

Academic carieer	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Transport System Technologies
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Traffic Engineering
Magister thesis	2003	Faculty of Transport and Traffic Engineering - Beograd	Traffic Engineering
Bachelor's thesis	1996	Faculty of Transport and Traffic Engineering - Beograd	Transport System Technologies

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	S015A	Knowledge of Goods in Transport 1	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
2.	S0323	Railway Transport Technology	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
3.	S0328	Organization of Railway Transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
4.	S0I5N2	Urban-Suburban Rail Transport of Passengers	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
5.	S0I52Ž	Technology of Railway Stations	(S00) Traffic and Transport Engineering, Master Academic Studies
6.	S0I5ŽS	Railway Lines and Stations	(S00) Traffic and Transport Engineering, Master Academic Studies
7.	S0M4	Modelling of Traffic and Transport	(S00) Traffic and Transport Engineering, Master Academic Studies
8.	DSSO1	Selected Chapters of Railway Safety	(S00) Traffic Engineering, Doctoral Academic Studies
9.	DSSO5	Optimization Methods and Technology Capacity in Rail Transport	(S00) Traffic Engineering, Doctoral Academic Studies
10.	DSSO6	Rail Transport Logistics	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Stojić, G., Vesković, S., Tanackov, I., Milinković, S.: Model for Railway Infrastructure Management Organization, Promet – Traffic&Transportation (IF=0,177), Vol. 24, No. 2, 2012, pp. 99-107, ISSN: 1848-4069

2. Stojić, G.: Using Fuzzy Logic for Evaluating the Level of Countries' (Regions') Economic Development, Panoeconomicus (IF=0,396), Volume 59, Issue 3, 2012, pp. 293-310, doi:10.2298/PAN1203293S

3. Dimanoski, K., Stojić, G., Vesković, S., Branović, I.: Model za determinisanje kvaliteta usluga u putničkom železničkom prevozu, III međunarodni simpozijum „Novi horizonti saobraćaja i komunikacija 2011", str. 43-47, ISBN 978-99955-36-28-2, Doboj, Bosna i Hercegovina, 24.-25. Novembar, 2011.

4. Dimanoski, K., Stojić, G., Vesković, S., Tanackov, I.: Model for Dimensioning Technology and Capacity of Border Railway Stations, Promet – Traffic&Transportation (IF=0,177), Vol. 24, No. 5, 2012, pp. 371-379, ISSN: 1848-4069

5. Vesković, S., Tepić, J., Ivić, M., Stojić, G., Milinković, S.: Model for Predicting the Frequency of Broken Rails, Metalurgija (IF=0,348), Croatian Metallurgical Society, Vol.51., No.2, April/June 2012, pp. 221-224, ISSN: 0543-5846

6. Tepić, J., Todić, V., Tanackov, I., Lukić, D., Stojić, G., Sremac, S.: Modular system design for plastic euro pallets, Metalurgija (IF=0,348), Croatian Metallurgical Society, Vol.51., No.2, April/June 2012, pp. 241-244, ISSN: 0543-5846

7. Vesković, S., Đorđević, Ž., Ivić, M., Stojić, G., Tepić, J, Tanackov, I.: Necessity and effects of dynamic system for railway wheel defect detection, Metalurgija (IF=0,348), Croatian Metallurgical Society, Vol. 51, No.3, pp. 333-336, 2012, ISSN: 0543-5846

8. Stojić, G., Tanackov, I., Vesković, S., Milinković, S. and Simić, D.: Modelling Evaluation of Railway Reform Level Using Fuzzy Logic, Lecture Notes in Computer Science/Lecture Notes in Artificial Intelligence, Springer Berlin/Heidelberg, Volume 5788/2009, pp. 695-702, September 2009. ISSN: 0302-9743

9. Vesković, S., Raičević, V., Stojić, G., Milinković, S.: Model to Estimate the Passenger Rail Liberalisation: The Case of Serbia, International Journal for Traffic And Transport Engineering (IJTTE), Issues / VOLUME 2 (3), 2012, pp. 202-220, DOI: 10.7708/ijtte.2012.2(3).04 ISSN 2217-544X

Representative refferences (minimum 5, not more than 10)				
10.	Tepić, J., Tanackov, I., Stojić, G.: Ancient Logistics – Historical Timeline and Etimology, Technical Gazette (IF=0,083), Scientific-professional Journal of Technical Faculties of University in Osijek, Vol. 18 No. 3, September 2011, pp. 379-384, ISSN 1330-3651			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :	3			
Total of SCI(SSCI) list papers :	7			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:	Šarac D. Dragana
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.08.2011
Scientific or art field:	Integral Transport and Logistics

Academic carieer	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Integral Transport and Logistics
PhD thesis	2009	Faculty of Technical Sciences - Novi Sad	Postal Traffic and Communications
Magister thesis	1999	Faculty of Transport and Traffic Engineering - Beograd	Postal Traffic and Communications
Bachelor's thesis	1992	Faculty of Economics - Subotica	Economic Science

List of courses being held by the teacher in the accredited study programmes			
	ID	**Course name**	**Study programme name, study type**
1.	S01433	Financial Operations in Postal Traffic	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
2.	S01361	Business decision making	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
3.	S01381	Direct marketing	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
4.	S01471	Change management	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
5.	S020N	Economics of traffic	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
6.	S0153	New Technologies and Services in Postal Traffic	(S01) Postal Traffic and Telecommunications, Master Academic Studies
7.	S1I583	Models of Postal Network Management	(S01) Postal Traffic and Telecommunications, Master Academic Studies
8.	S1I593	Electronic postal services	(S01) Postal Traffic and Telecommunications, Master Academic Studies
9.	DSSP1	Selected chapters from the field of public postal network management	(S00) Traffic Engineering, Doctoral Academic Studies
10.	DSSP2	Selected chapters from the field of postal traffic organization	(S00) Traffic Engineering, Doctoral Academic Studies
11.	DSSP3	Selected chapters from the field of postal services market research	(S00) Traffic Engineering, Doctoral Academic Studies
12.	DSSP4	Selected chapters from the field of process management in postal traffic	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Blagojević M., Kujačić M., Šarac D.: Activity-based management of costs and revenue of universal postal service operator, Metalurgia international, 2013, No 3, ISSN 1582-2214, in press
2.	Jovanović B., Kujačić M., Šarac D., Atanasković P.: Fuzzy logic approach to predicting waiting time, Metalurgia international, 2013, No 3, ISSN 1582-2214, in press
3.	Kujačić M., Šarac D., Marković D., Jovanović B.: Providing universal postal service in developing countries, African Journal of Business Management, 2011, Vol. 5, No 8, pp. 1158-1165, ISSN 1993-8233
4.	Šarac D., Kujačić M., Jovanović B.: Planning the Resources for Ensuring Provision of Universal Postal Service, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: FTN Novi Sad, 14-16 Septembar, 2011, pp. 29-37, ISBN 978-86-7892-341-8
5.	Šarac D., Kujačić M.: Organization of the postal network and optimization of resures at the level of municipalities in Serbia, 12. International symposium SymOrg, Zlatibor, 9-12 Jun, 2010, pp. 66-67
6.	Šarac D., Kujačić M., Jovanović B.: Upravljanje poštanskom mrežom u ruralnim područjima Republike Srbije, Tehnika, 2010, pp. 6-11, ISSN 1450-9911
7.	Kujačić M., Šarac D., Blagojević M.: Upravljanje troškovima u poštanskom saobraćaju primenom ABC (Activity based costing) metode, Tehnika - menadžment 4/2011., Tehnika, 2011, ISSN 1450-9911
8.	Šarac D., Bajić I.: Konkurentnost poštanskih operatora sa stanovišta efikasnosti, 28. PosTel, Beograd, 14-15 Decembar, 2010, pp. 57-66, ISBN 978-86-7395-274-1
9.	Šarac D., Ožegović S., Kujačić M.: The synergy effects of strategic partnerships in providing the universal postal service, 13. International symposium SymOrg, Zlatibor, 5-9 Jun, 2012
10.	Ožegović S., Šarac D., Dumnić S.: The importance of customer segmentation and categorization in key account management in postal services, SEETSI, Bar, oktobar 2012

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	4			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Šraml M. Matjaž
Academic title:	Guest Professor
Name of the institution where the teacher works full time and starting date:	-
Scientific or art field:	Transport System Technologies

Academic carieer	Year	Institution	Field
Academic title election:	2009		Transport System Technologies
PhD thesis	2001	University of Maribor - Maribor	Machine Constructions, Transport Systems and Logistics
Magister thesis	1998	University of Maribor - Maribor	Machine Constructions, Transport Systems and Logistics
Bachelor's thesis	1995	University of Maribor - Maribor	Machine Constructions, Transport Systems and Logistics

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	DSIM3	Application of Informational Technologies and Measurements in Traffic Engineering	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	M. Šraml: Zbrano gradivo za predmet Vleka in transportna sredstva
2.	S. Glodež, M. Šraml, J. Kramberger: A computational model for determination of service life of gears. International Journal of Fatigue. 2002, vol. 24, iss. 10 pp. 1013-1020. COBISS.SI-ID 7278102
3.	M. Šraml, J. Flašker, I. Potrč: Numerical procedure for predicting the rolling contact fatigue crack initiation. International Journal of Fatigue. 2003, vol. 25, iss. 7. pp. 585-595. COBISS.SI-ID 7911702
4.	I. Potrč, T. Lerher, J. Kramberger, M. Šraml: Simulation model of multi shuttle automated storage and retrieval systems. Journal of material processing technology. Dec. 2004. vol. 157/158, pp. 236-244. COBISS.SI-ID 9224470
5.	T. Tollazzi, T. Lerher, M. Šraml: An analysis of the influence of pedestrians traffic flow on the capacity of a roundabout using the discrete simulation method. Strojniski vestnik, 2006, vol. 52, no. 6. pp. 359-379. COBISS.SI-ID 10601494
6.	D. Sever, T. Lerher, M. Šraml, I. Potrč: GIS based development of the traffic system in mountain regions. Advanced engineering, 2007, year 1, vol. 2, pp. 231-241. COBISS.SI-ID 11751446
7.	T. Tollazzi, T. Lerher, M. Šraml: Simulation of the pedestrians influence to the capacity of motorised vehicles in a roundabout. American Journal of Applied Sciences, 2008, vol. 5, no. 1, pp. 34-41, COBISS.SI-ID 11579414
8.	T. Tollazzi, T. Lerher, M. Šraml: The use of micro-simulation in determining the capacity of a roundabout with a multi channel pedestrian flow. Strojniski vestnik, 2008, vol. 54, no. 5, pp. 334-346. COBISS.SI-ID 12305174
9.	M. Šraml, J. Flašker: Computational approach to contact fatigue damage initiation analysis of gear teeth flans. International Journal of Advanced Manufacturing Technology, 2006, 10 f. COBISS.SI-ID 10148374
10.	T. Tollazzi, M. Šraml, T. Lerher: Roundabout arm capacity determined by microsimulation and discrete functions technique. Promet, Traffic and Transportation, 2008, vol. 20, no. 5, pp 291-300, COBISS.SI-ID 127887222

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	8			
Current projects :	Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:		Tanackov J. Ilija	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		20.08.1996	
Scientific or art field:		Transport System Technologies	

Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Transport System Technologies
PhD thesis	2004	Faculty of Technical Sciences - Novi Sad	Traffic Systems
Magister thesis	1999	Faculty of Technical Sciences - Novi Sad	Traffic Systems
Bachelor's thesis	1996	Faculty of Transport and Traffic Engineering - Beograd	Traffic Systems

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	S015A	Knowledge of Goods in Transport 1	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
2.	S0323	Railway Transport Technology	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
3.	URZP36	Risks in Manipulating Hazardous Substances	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
4.	S01551	Fundamentals of air transport.	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
5.	S0I53Ž	Rail Transport Safety	(S00) Traffic and Transport Engineering, Master Academic Studies
6.	S0I5ŽS	Railway Lines and Stations	(S00) Traffic and Transport Engineering, Master Academic Studies
7.	S0M22	PROJECT MANAGEMENT	(S00) Traffic and Transport Engineering, Master Academic Studies
8.	S0M4	Modelling of Traffic and Transport	(S00) Traffic and Transport Engineering, Master Academic Studies
9.	SDI25	Management of the Processes in Railway Vehicles Exploitation and Maintenance	(S00) Traffic Engineering, Doctoral Academic Studies
10.	SDI26	Experimental Research in the Mechanics of Railway Vehicle Movement	(S00) Traffic Engineering, Doctoral Academic Studies
11.	DSSL3	Warehause and storage	(S00) Traffic Engineering, Doctoral Academic Studies
12.	DSSO1	Selected Chapters of Railway Safety	(S00) Traffic Engineering, Doctoral Academic Studies
13.	DSSO2	Logistic systems	(S00) Traffic Engineering, Doctoral Academic Studies
14.	DSSO5	Optimization Methods and Technology Capacity in Rail Transport	(S00) Traffic Engineering, Doctoral Academic Studies
15.	DSSO6	Rail Transport Logistics	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Mirko Vlahović, Ilija Tanackov; Poznavanje robe u transportu, IP Vaša knjiga, Bijelo Polje, 2005
2.	Đorđe Kopić, Ilija Tanackov; Zbirka rešenih zadataka iz tehnologije železničkog saobraćaja, FTN Izdavaštvo, Novi Sad, 2004
3.	Tepić J., Tanackov I., Stojić G., Sremac S.: Poznavanje robe u transportu 2, Novi Sad, Fakultet tehnickih nauka, 2012
4.	J. Pejin, O. Grujic, S. Markov, S. Kocic-Tanackov, I. Tanackov, D. Cvetkovic, M. Djurendic; Application of GC/MS method using SPE columns for quantitative determination of diacetyl and 2,3-pentanedione during beer fermentation, J. Am. Soc. Brew.Chem., 64 (1), pp. 52-60. 2006.
5.	Tepić J., Tanackov I., Stojić G.: Ancient Logistic - Historical Timeline and Etimology, Tehnički vjesnik/Technical Gazette, 2011, Vol. 18, No 3, ISSN 1330-3651
6.	Tepić J., Todić V., Tanackov I., Lukić D., Stojić G., Sremac S.: Modular System Design for Plastic Euro Pallets, Metalurgija, 2012, Vol. 51, No 4, ISSN 0543-5846, UDK: 621.824:621.886.6:621.887=111
7.	Vesković S., Đorđević Ž., Stojić G., Tepić J., Tanackov I.: Necessity and Effects of Dynamic Systems for Raailway Wheel Defect Detection, METALURGIJA, 2012, Vol. 51, No 2, UDK: 621.824:621.886.6:621.887=111
8.	Stojić G., Vesković S., Tanackov I., Milinković S.: Model for Railway Infrastructure Management Organization, Promet - Traffic

	Representative refferences (minimum 5, not more than 10)
9.	Dimanoski K., Stojić G., Vesković S., Tanackov I.: Model for Dimensioning Technology and Capacity of Border Railway Stations, Promet - Traffic
10.	Tanackov I., Tepić J., Kostelac M.: The Golden Ratio in Probablistic and Artificial Intelligence, Tehnički vjesnik/Technical Gazette, 2011, Vol. 19, No 4, pp. 641-647, ISSN 1330-3651, UDK: UDC/UDK 514.112:[519.217 004.896]

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	12			
Total of SCI(SSCI) list papers :	10			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:		Teofanov Đ. Ljiljana	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		18.12.1995	
Scientific or art field:		Mathematics	

Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	2008	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	2000	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1994	Faculty of Sciences - Novi Sad	Mathematical Sciences

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	A101	Mathematics	(A00) Architecture, Undergraduate Academic Studies
2.	EE204	Selected Chapters in Mathematics	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	GG00	Mathematical Methods 1	(G00) Civil Engineering, Undergraduate Academic Studies
4.	GI101	Algebra	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
5.	IAM001	Mathematical Shape Modeling for Computer Animation	(F10) Engineering Animation, Undergraduate Academic Studies
6.	M102	Mathematics 1	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
			(M30) Energy and Process Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
7.	M106	Mathematics 2	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
			(M30) Energy and Process Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
8.	E101A	Discrete Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
9.	IM1523	Discrete Mathematics	(M30) Energy and Process Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
10.	P216	Numerical Analysis	(P00) Production Engineering, Undergraduate Academic Studies
11.	SE0009	Discrete Mathematics	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
12.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies

	List of courses being held by the teacher in the accredited study programmes		
	ID	Course name	Study programme name, study type
13.	IA022	Numerical Optimization	(F20) Engineering Animation, Master Academic Studies
14.	D0M48	Numerical Methods for Solving Differential Equations	(OM1) Mathematics in Engineering, Doctoral Academic Studies
15.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

	Representative refferences (minimum 5, not more than 10)
1.	Surla, K., Teofanov, Lj., Uzelac, A Robust Layer-Resolving Spline Collocation Method for a Convection-Diffusion Problem, Applied Mathematics and Computation,(2009), 208(1): 76-89
2.	Teofanov, Lj., Roos, H. -G, An elliptic singularly perturbed problem with two parameters II: robust finite element solution, J. Comput. Appl. Math. Vol. 212, 2008, 374-389
3.	Teofanov, Lj., Roos, H. -G, An elliptic singularly perturbed problem with two parameters I: solution decomposition, J. Comput. Appl. Math. Vol. 206, 2007, 1082-1097
4.	Surla, K., Uzelac, Z., Teofanov, Lj., The discrete minimum principle for quadratic spline discretization of a singularly perturbed problem, Math. Comput. Simul. 2009, Vol. 79, No 8, pp.2490-2505
5.	Teofanov, Lj., Zarin, H., Superconvergence for two-parameter singularly perturbed problem, BIT Numerical Mathematics, Vol. 49, No. 4, 2009, 743-765
6.	Vulanović, R., Teofanov, Lj., A uniform numerical method for semilinear reaction-difusion problems with a boundary turning point, Numer. Algor. 54, 2010, 431-444
7.	Teofanov, Lj., Uzelac, Z., Family of Quadratic Spline Difference Schemes for a Convection-Diffusion Problem, Int. J. Comput. Math., Vol. 84, No. 1, 2007, 33-50
8.	Surla, K., Uzelac, Z., Teofanov, Lj., On collocation methods for singular perturbation problems of convection-diffusion type, Novi Sad J. Math, Vol. 31, No. 1, 2001, 125-132
9.	Surla, K., Uzelac, Z., Pavlović, Lj., On collocation methods for singular perturbation problems, Novi Sad J. Math., Vol. 30, No. 3, 2000, 173-183
10.	Čomić, I., Pavlović, Lj., Funkcije više promenljivih, Fakultet tehničkih nauka, Novi Sad, 2000, 95 str.

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	12			
Total of SCI(SSCI) list papers :	7			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Tepić Đ. Jovan
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.05.2006
Scientific or art field:	Transport System Technologies

Academic carieer	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Transport System Technologies
PhD thesis	2006	Faculty of Technical Sciences - Novi Sad	Transport System Technologies
Magister thesis	2005	Faculty of Technical Sciences - Novi Sad	Transport System Technologies
Bachelor's thesis	1984	Faculty of Mechanical Engineering and Naval Architecture - Zagreb	Machine Constructions, Transport Systems and Logistics

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	S019	Goods transport logistics properties	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
2.	S0323	Railway Transport Technology	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
3.	S0I5N2	Urban-Suburban Rail Transport of Passengers	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
4.	S0I5N3	Maintenance and availability of means of transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
5.	S0I7Ž	Towing vehicles and trains	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
6.	S11110	Engineering analysis	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
7.	S0I52Ž	Technology of Railway Stations	(S00) Traffic and Transport Engineering, Master Academic Studies
8.	S0I53Ž	Rail Transport Safety	(S00) Traffic and Transport Engineering, Master Academic Studies
9.	S0I5ŽS	Railway Lines and Stations	(S00) Traffic and Transport Engineering, Master Academic Studies
10.	SDI25	Management of the Processes in Railway Vehicles Exploitation and Maintenance	(S00) Traffic Engineering, Doctoral Academic Studies
11.	SDI26	Experimental Research in the Mechanics of Railway Vehicle Movement	(S00) Traffic Engineering, Doctoral Academic Studies
12.	DSSO1	Selected Chapters of Railway Safety	(S00) Traffic Engineering, Doctoral Academic Studies
13.	DSSO5	Optimization Methods and Technology Capacity in Rail Transport	(S00) Traffic Engineering, Doctoral Academic Studies
14.	DSSO6	Rail Transport Logistics	(S00) Traffic Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Jovan Đ. Tepić: Istraživanje uticaja mase i brzine šinskih vozila na vrednost otpora od krivine, Monografska publikacija, FTN Novi Sad, 2007. godine.
2.	Jovan Đ. Tepić: Šinska vozila, Udžbenik, ISBN 978-86-7892-086-8, FTN Izdavaštvo, Novi Sad, 2007. godine
3.	Jovan Đ. Tepić: Vuča vozova, Udžbenik, FTN Izdavaštvo, Novi Sad, ISBN 978-86-7892-091-2, 2008. godine
4.	Jovan Đ. Tepić: ZBIRKA REŠENIH ZADATAKA IZ ŠINSKIH VOZILA I VUČE VOZOVA, FTN Izdavaštvo, Novi Sad, 2008. godine
5.	Jovan Tepić: Analiza stalnih otpora šinskih vozila određenih metodom graviticionog kretanja, Tehnika, Beograd, 2008, MAŠINSTVO 57 (2008) 6, str. 1 - 6, UDC 629.4.015.017.001.42=861, YU ISSN 0040-2176.
6.	Jovan Tepić, Milan Kostelac: Application of gravitational method by determination of rail vehicles constant resistance, Transactions of FAMENA, Vol. 32, No. 2, Zagreb, 2008, str. 31 – 40, UDK 629.4.077, ISSN 1333-1124.
7.	Tepić, J., Kostelac, M.: Primjena gravitacijske metode kod određivanja stalnih otpora tračničkih vozila, Predavanje po pozivu, Znanstveno-stručno predavanje, Hrvatsko društvo za mehaniku (HDM), Strojarski fakultet, Slavonski Brod, 2009.
8.	Tepić, J.: Metode smanjenja habanja šina lakih šinskih vozila, 11th Internacional Conference on Tribology, SERBIATRIB 09, May 13 – 15, 2009, Belgrade, Serbia, str. 324 - 329, ISBN978-86-7083-659-4.

Representative refferences (minimum 5, not more than 10)	
9.	Tepić, J., Kostelac M., Methodology for determining of curving resistance contributions of locomotive's axles, 6th Intrenational Congress of Croatian Society of Mechanich, September 30 - October 2, 2009, Dubrovnik, 2009, str. 100-101. ISBN 978-953-7539-10-8.
10.	Tepić, J., Kostelac M., Analysis of resistance forces on indivdual locomotive parts in track curvature, 26th Danubia-Adria Symposium on Advances in Experimental Mechanics, Montanuniversitat Leoben /Austria, 23rd - 26th September 2009, str. 229-230.

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	7			
Total of SCI(SSCI) list papers :	14			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:	Uzelac S. Zorica
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.1975
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	2000	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1989	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1980	Faculty of Mathematics - Beograd	Mathematical Sciences
Bachelor's thesis	1974	Faculty of Sciences - Novi Sad	Mathematical Sciences

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	GG00	Mathematical Methods 1	(G00) Civil Engineering, Undergraduate Academic Studies
2.	GG05	Mathematical Methods 2	(G00) Civil Engineering, Undergraduate Academic Studies
3.	II1052	Mathematics 2	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	IM1002	Mathematics 1	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1006	Mathematics 2	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1120	Knowledge management	(I20) Engineering Management, Undergraduate Academic Studies
7.	0M518	Numerical Solutions of Differential Equations	(OM1) Mathematics in Engineering, Master Academic Studies
8.	0ML518	Numerical Solution of Differential Equations	(OM1) Mathematics in Engineering, Master Academic Studies
9.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
10.	HR013	Knowledge Economy	(I20) Engineering Management, Specialised Professional Studies
			(IB0) Engineering Management - MBA, Specialised Professional Studies
11.	MBA309	Human Resource Management in Knowledge Economy	(IB0) Engineering Management - MBA, Specialised Professional Studies
12.	OIR010	Mathematics for Business and Finance	(I20) Engineering Management, Specialised Professional Studies
13.	IA022	Numerical Optimization	(F20) Engineering Animation, Master Academic Studies
14.	D0M16	Differential Equations	(OM1) Mathematics in Engineering, Doctoral Academic Studies
15.	D0M18	Numerical Analysis	(OM1) Mathematics in Engineering, Doctoral Academic Studies
16.	DM322	Numeric Methods in Power Machines and Plants	(M00) Mechanical Engineering, Doctoral Academic Studies

	ID	Course name	Study programme name, study type
17.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
			(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F00) Graphic Engineering and Design, Doctoral Academic Studies
			(F20) Engineering Animation, Doctoral Academic Studies
			(G00) Civil Engineering, Doctoral Academic Studies
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(M40) Technical Mechanics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies
			(Z00) Environmental Engineering, Doctoral Academic Studies
			(Z01) Safety at Work, Doctoral Academic Studies

List of courses being held by the teacher in the accredited study programmes

Representative refferences (minimum 5, not more than 10)

1. Surla K., Teofanov Lj., Uzelac Z.: A robust layer-resolving spline collocation method for a convection-diffusion problem, Applied Mathematics and Computation, 2009, Vol. 208, No 1, pp. 76-89, ISSN 0096-3003

2. Surla K., Uzelac Z., Teofanov Lj.: The discrete minimum principle for quadratic spline discretization of a singularly perturbed problem, Math. Comput. Simul, 2009, Vol. 79, No 8, pp. 2490-2505, ISSN 0378-4754

3. Surla, K., Uzelac, Z., Some uniformly convergent spline difference schemes for singularly perturbed boundary value problems, IMA J. Numer. Anal.10(1990) 209-222

4. Sekulić, D., Edeskuty, F.J.,Uzelac, Z., Heat Transfer Through a High Temperature Superconducting Current Lead at Criogenic temperatures, Int.J. Heat Mass Transfer, Vol. 40,No 16, 1997, 3917-3926,

5. Uzelac, Z., Surla, K., Discretization of the Semilinear Singularly Perturbed Problem, Nonlinear Analysis: Theory, Methods and Applications, Vol.30, No.8, (1997), 4741-4747

6. Sekulic, D., Uzelac, Z., Edeskuty, F., J., Entropy generation in a high temperaturesuperconducting current lead, Cryogenics, Vol 32(1992) 1154-1161

7. Cvetićanin, L., Uzelac, Z., Longitudinal Vibration of Rod with Non-Linear Constitutive Equation, Journal of Vibration and Control,5, (1999), 827-849

8. Teofanov, Lj., Uzelac, Z., Family of Quadratic Spline Difference Schemes for a Convection-Diffusion Problem, International Journal of Computer Mathematics, Vol. 84, No. 1, 2007, 33-50

9. Z. Uzelac, L. Nešić, D. Hristić, A Contribution to Research the Caracteristics of Women Managers and a New Style of Leadedrship, Proceedings of IC-Congress, Haarlem, The Netherlands, 3-4. May 2007

10. Dj. Ćelić, Z. Uzelac, Vrednosne mreže, Zborniki radova XIII Medjunarodna konferncija industrijski sistemi-IS05, Herceg Novi, 07-09. septembar, 2005, 921-931

Summary data for teacher's scientific or art and professional activity:

Quotation total :	52			
Total of SCI(SSCI) list papers :	26			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Vilotić Ž. Dragiša
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.01.1975
Scientific or art field:	Plastic Deformation Technology, Rapid Prototyping, Virtual

Academic carieer	Year	Institution	Field
Academic title election:	1998	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
PhD thesis	1986	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
Magister thesis	1981	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
Bachelor's thesis	1974	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	P207	Metal forming	(P00) Production Engineering, Undergraduate Academic Studies
2.	P2401	Advanced Methods in Metal Forming	(P00) Production Engineering, Undergraduate Academic Studies
3.	P2413	Computer Aided Design of Tools and Dies for Metal Forming	(P00) Production Engineering, Undergraduate Academic Studies
4.	P303	Machines for Processing by Deforming	(P00) Production Engineering, Undergraduate Academic Studies
5.	P3403	Technology of Plastic Forming - Shaping of plastic material	(P00) Production Engineering, Undergraduate Academic Studies
6.	P3503	Machines and Devices for Plastic Processing	(P00) Production Engineering, Undergraduate Academic Studies
7.	M2062	Mechanical engineering technologies 2	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
8.	M3203	Technology of machinery	(M30) Energy and Process Engineering, Undergraduate Academic Studies
9.	P3402	Physical and Phase States of Polymers	(P00) Production Engineering, Undergraduate Academic Studies
10.	ZR408A	Safety at work on the machines for processing	(Z01) Safety at Work, Undergraduate Academic Studies
11.	P2407	Rapid Prototyping and Rapid Tooling	(PM0) Production Engineering, Master Academic Studies
12.	P3501	Tool Designing for Plastic	(PM0) Production Engineering, Master Academic Studies
13.	P3503A	Contemporary Process Systems for Plastic Treatment	(PM0) Production Engineering, Master Academic Studies
14.	BMIM4B	Technologies of shaping biomedical materials	(BM0) Biomedical Engineering, Master Academic Studies
			(PM0) Production Engineering, Master Academic Studies
15.	PMISP1	Modelling and Simulation of Metal Forming Processes	(PM0) Production Engineering, Master Academic Studies
16.	PTS01	Technology of sintering	(PM0) Production Engineering, Master Academic Studies
17.	DP001	Design and Research Methods in Production Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies
18.	DP005	State and Tendencies in Development of Metrology, Quality and Equipment	(M00) Mechanical Engineering, Doctoral Academic Studies
19.	DP008	Contemporary Methods and TPD Systems	(M00) Mechanical Engineering, Doctoral Academic Studies
20.	DP012	Physical Modelling and TPD Simulation by Computers	(M00) Mechanical Engineering, Doctoral Academic Studies
21.	DP015	Nonconventional Procedures of Forming in TPD	(M00) Mechanical Engineering, Doctoral Academic Studies

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
22.	SID04	Current State in the Field	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies
23.	DP026	Modern methods for polymers investigation	(M00) Mechanical Engineering, Doctoral Academic Studies
24.	DP028	Theoretical basis for forming polymer technology	(M00) Mechanical Engineering, Doctoral Academic Studies
25.	SID04	Present State in the Field	(A00) Architecture, Doctoral Academic Studies (AS0) Scenic Design, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Essa K., Kačmarčik I., Hartley P., Plančak M., Vilotić D.: Upsetting of bi-metallic ring billets, Journal of Materials Processing Technology, 2012, Vol. 212, No 4, pp. 817-824, ISSN 0924-0136

2. Alexandrov S., Vilotić D., Konjovoć Z., Vilotić M.: An Improved Experimental Method for Detrmining the Workability Diagram, Experimental Mechanics, 2012, Vol. 52, No 11340, ISSN 0014-4851

3. Alexandrov S., Vilotić D.: A study on an effect of geometric singularities on ductile fracture , Engineering Fracture Mechanics, 2009, Vol. 76, No 14, pp. 2309-2315, ISSN 0013-7944

4. Vilotić D., Plančak M., Čupković Đ., Aleksandrov S., Aleksandrov N.: Free Surface Fracture in Three Upsetting Tests , Experimental Mechanics, 2006, Vol. 46, pp. 115-120, ISSN 0014-4851

5. Plančak M., Hartley P., Esssa K., Vilotić D., Movrin D., Lužanin O.: Deformation analysis during bi-metallic coining operations, Steel Research International, 2012, pp. 1247-1250, ISSN 1611-3683

6. Vilotić D., Alexandrov S., Plančak M., Vilotić M., Ivanišević A., Kačmarčik I.: Material Formability at Upsetting by Cylindrical and Flat Dies, Steel Research International, 2012, pp. 1175-1178, ISSN 1611-3683

7. Vilotić D., Alexandrov S., Plančak M., Movrin D., Ivanišević A., Vilotić M.: Material Formability of Upsetting by V-Shape Dies , Steel Research International, 2011, pp. 923-928, ISSN 1611-3683

8. Lyamina E., Alexandrov S., Vilotić D., Movrin D.: Effect of Shape of Samples on Ductile Fracture Initiation in Upsetting, Steel Research International, 2010, Vol. 9, No 81, pp. 306-3090, ISSN 1611-3683

9. D. Vilotić, D. Milikić, M. Plančak, M. Milutinović: Obrazovanje inženjera proizvodnog mašinstva iz oblasti oblikovanja plastike na Fakultetu tehničkih nauka u Novom Sadu, 4. kongres inženjera plastičara i gumara K – IPG 2006., zbornik na CDu, ppt 100 slajdova, Vršac, 13-16. juni 2006.

10. Obradović R., Vilotić D.: Prikaz tehnologije i opreme za za ultrazvučno zavarivanje termoplastičnih komponenata, Zbornik radova MMA 2006, strana 27-28, FTN, Novi Sad, juni 2006.

Summary data for teacher's scientific or art and professional activity:

Quotation total :	17			
Total of SCI(SSCI) list papers :	15			
Current projects :	Domestic :	1	International :	1

Science, arts and professional qualifications

Name and last name:	Vučinić-Vasić T. Milica
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.04.2000
Scientific or art field:	Physics

Academic carieer	Year	Institution	Field
Academic title election:	2007	Faculty of Technical Sciences - Novi Sad	Physics
PhD thesis	2007	Faculty of Sciences - Novi Sad	Physics
Magister thesis	2000	Faculty of Sciences - Novi Sad	Physics
Bachelor's thesis	1996	Faculty of Sciences - Novi Sad	Physics

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	F102	Physics	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	GG06	Civil Engineering Physics	(G00) Civil Engineering, Undergraduate Academic Studies
3.	S014	Physics	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
4.	DZ01FS	Selected Chapters in Physics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
5.	DZ01F	Selected Chapters in Physics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
			(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F00) Graphic Engineering and Design, Doctoral Academic Studies
			(G00) Civil Engineering, Doctoral Academic Studies
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(M40) Technical Mechanics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies
			(Z00) Environmental Engineering, Doctoral Academic Studies
			(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Milica Vučinić-Vasić, Divko Ćirić, Tatjana Škrbić, Miroljub Đurić, Zbirka zadataka iz fizike, FTN Izdavaštvo, Novi Sad 2005.
2.	Ljuba Budinski-Petković, Milica Vučinić, Dušan Ilić, Praktikum eksperimentalnih vežbi iz fizike – odsek za računarstvo i automatiku, S PRINT, Novi Sad, 2003
3.	Ljuba Budinski-Petković, Milica Vučinić-Vasić, Dušan Ilić, Praktikum eksperimentalnih vežbi iz fizike – odsek za mašinstvo – odsek za grafičko inženjerstvo – odsek za mehatroniku, Delta press, Novi Sad, 2003.
4.	Vučinić-Vasić M.: Exchange-Bias and Grain-Surface Relaxations in Nanostructured NiO/Ni Induced by a Particle Size Reduction, Journal of Physical Chemistry C, 2012, Vol. 116, pp. 4356-4364, ISSN 1932-7447

	Representative refferences (minimum 5, not more than 10)
5.	Vučinić-Vasić M., Mihailović A., Kozmidis-Luburić U., Nemeš T., Ninkov J., Zeremski T., Antić B.: Metal contamination of short-term snow cover near urban crossroads: Correlation analysis of metal content and fine particles didtribution, Chemosphere, 2012, Vol. 6, No 86, pp. 585-592
6.	Kremenović A., Jančar B., Ristić M., Vučinić-Vasić M., Rogan J., Pacevski A., Antić B.: Exchange-Bias and Grain-Surface Relaxations in Nanostructured NiO/Ni Induced by a Particle Size Reduction, Journal of Physical Chemistry C, 2012, Vol. 116, pp. 4356-4364, ISSN 1932-7447
7.	Antić B., Kremenović A., Vučinić-Vasić M., Dohcević-Mitrović Z., Nikoloć A., Gruden-Pavlović M., Jančar B., Meden A.: Composition related properties of (Yb,Y)(2)O-3 nanoparticles synthesized by controlled thermal degradation of AA complexes, Materials chemistry and physics, 2010, Vol. 122, No 2-3, pp. 386-391, ISSN 0254-0584
8.	Antić B., Rogan J., Kremenović A., Nikoloć A., Vučinić-Vasić M., Božanić D., Goya G., Colomban P.: Optimization of photoluminescence of Y2O3:Eu and Gd2O3:Eu phosphors synthesized by thermolysis of 2,4-pentanedione complexes, NANOTECHNOLOGY, 2010, Vol. 21, No 24, pp. 2457-2457, ISSN 0957-4484
9.	Jović N., Vučinić-Vasić M., Kremenović A., Antić B., Jovalekić Č., Vulić P., Kahlenberg V., Kaindl R.: HEBM synthesis of nanocrystalline LiZn0.5Ti1.5O4 spinel and thermally induced order-disorder phase transition (P4332-Fd3m), Materials chemistry and physics, 2009, No 2-3, pp. 542-549, ISSN 0254-0584
10.	Vučinić-Vasić M., Antić B., Blanuša J., Rakić S., Kremenović A., Nikolić A., Kapor A.: Formation of nanosize Li-ferrites from acetylacetonato complexes and their crystal structure, microstructure and order-disorder phase transition , Applied Physics A, 2006, Vol. 82, No 1, pp. 49-54, ISSN 0947-8396

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	53			
Total of SCI(SSCI) list papers :	17			
Current projects :	Domestic :	2	International :	1

Science, arts and professional qualifications

Name and last name:		Žigić M. Miodrag	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.10.2007	
Scientific or art field:		Mechanics	

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Mechanics
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Mechanics
Magister thesis	2008	Faculty of Technical Sciences - Novi Sad	Mechanics
Bachelor's thesis	2004	Faculty of Technical Sciences - Novi Sad	Mechanics

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	GG15	Strength of Materials	(G00) Civil Engineering, Undergraduate Academic Studies
2.	GG410	Selected Chapters in the Theory of Elasticity	(G00) Civil Engineering, Undergraduate Academic Studies
3.	H112	Mechanics 1 – Fundamentals	(H00) Mechatronics, Undergraduate Academic Studies
			(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
4.	H201	Mechanics 2 - General	(H00) Mechatronics, Undergraduate Academic Studies
5.	H202	Strength of materials	(H00) Mechatronics, Undergraduate Academic Studies
6.	H303	Mechatronics 3 – Further Chapters	(H00) Mechatronics, Undergraduate Academic Studies
7.	M204	Strength of Materials	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
			(M30) Energy and Process Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
8.	M4302	Biomechanics and mechanics of sport	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
9.	M4306	Similarity and dimensional methods	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
10.	BMI128	Continuum Biomechanics	(BM0) Biomedical Engineering, Undergraduate Academic Studies
11.	II1004	Mechanics and Industrial Engineering	(I10) Industrial Engineering, Undergraduate Academic Studies
12.	M44061	Optimization of mechanical systems	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
13.	M4504	Thermal Elasticity	(M40) Technical Mechanics and Technical Design, Master Academic Studies
14.	BMIM4A	Transport phenomena and Living systems	(BM0) Biomedical Engineering, Master Academic Studies
15.	M45991	Biomechanics of cardiovascular system	(M40) Technical Mechanics and Technical Design, Master Academic Studies
16.	SZD051	Applications of optimal control theory in living environment protection	(Z00) Environmental Engineering, Specialised Academic Studies
17.	DM801	Biomedical mechanics	(M40) Technical Mechanics, Doctoral Academic Studies
18.	DTM02	Theory of impact	(H00) Mechatronics, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(M40) Technical Mechanics, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies
19.	DTM03	Biomechanical models and analysis of impact	(M40) Technical Mechanics, Doctoral Academic Studies
20.	ZRD16A	Selected chapters in mechanics and elasticity theory	(Z01) Safety at Work, Doctoral Academic Studies
Representative refferences (minimum 5, not more than 10)			
1.	N. M. Grahovac, M. M. Zigic: Modelling of the hamstring musle group by use of fractional derivatives, Computers and Mathematics with applications, Vol. 59, Issue 5 (2010), 1695-1700.		

	Representative refferences (minimum 5, not more than 10)
2.	N. Grahovac., M. Žigić, D. Spasić, On impact scripts with both fractional and dry friction type of dissipation, International Journal of Bifurcation and Chaos, Vol. 22, No 4 (2012), 1250076 (10 pages).
3.	N. M. Grahovac, M. M. Zigić, and D. T. Spasić: On multiple impacts with fractional type of dissipation, 1st International Congress of Serbian Society of Mechanics, Beograd: Serbian Society of Mechanics, 10-13 April, 2007, str. 173- 180, UDK: 531/534(082), ISBN 978-86-909973-0-5.
4.	M. M. Žigić, N. M. Grahovac and D. T. Spasić: A simplified earthquake dynamics of a column like structure with fractional type of dissipation, 1st International Congress of Serbian Society of Mechanics, Beograd: Serbian Society of Mechanics, 10-13 April, 2007, str. 165- 172, UDK: 531/534(082), ISBN 978-86-909973-0-5.
5.	Grahovac N., Žigić M: Fractional derivative viscoelastic model of the hamstring muscle group, 3rd IFAC Workshop on Fractional Differentiation and its Applications, Ankara, Turkey: 05-07 november, 2008.
6.	M. M. Zigic, Viscoelastic response of the human hamstring muscle during a ramp-and-hold type of experiment, 2nd International Congress of Serbian Society of Mechanics, Palic: Serbian Society of Mechanics, 01-05 June, 2009, str. 165-173, UDK: 531/534(082), ISBN 978-86-7892-173-5.
7.	Grahovac N., Žigić M., Spasić D.: On impact scripts with both fractional and dry friction type of dissipation, 4. IFAC Workshop on Fractional Differentiation and Its Applications, Badajoz, 18-20 Oktobar, 2010
8.	Žigić M., Grahovac N.: Dynamical behavior of a polymer gel during impact. Fractional derivative viscoelastic model, 3. International Congress of Serbian Society of Mechanics, Vlasinsko jezero, 5-8 Jul, 2011, pp. 871-878, ISBN 978-86-909973-3-6, UDK: 531/534(082)
9.	Bačlić B., Žigić M., Phase spaces of rheonomic energy-like conservation laws, 25th Yugoslav Congress on Theoretical and Applied Mechanics, 1-3 June, 2005.
10.	Kovinčić N., Žigić M., Grahovac N., Spasić D.: On Impact in Biomechanical Systems, International scientific conference on mechanics, 6. International Scientific Conference on Mechanics - Sixth Polyakhov`s Reading, Saint Petersburg, 31-3 Januar, 2012, pp. 251-251, ISBN 978-5-91563-101-3

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	5			
Total of SCI(SSCI) list papers :	2			
Current projects :	Domestic :	1	International :	0

Standard 10.	Organizational and Material Resources

To perform the study programme, the adequate human, spatial, technical and technological, library and other resources suitable to the study programme features and predicted students` number are provided. Classes on the study programme Civil Engineering are held in 2 shifts, so the minimum of 2 m2 of space is provided per student.

To perform the study programme, the adequate space for lecturing is provided, as well as the adequate laboratory space necessary for the experimental work and the equipment based on contemporary information and communication technologies. Lectures are held in amphitheatres, classrooms and specialized laboratories.

Faculty provides the usage of the library fund from its own or other sources (books, monographs, scientific magazines, other periodicals) in the amount necessary for the Doctoral study programme. Doctoral study students have the access to databases necessary for Doctoral dissertation elaboration and scientific and research work.

The library possesses more than 100 library units relevant for the performance of the study programme. All courses from the study programme have adequate textbooks, devices and supplementary equipment available on time and in a satisfactory number for the normal teaching process. There is also adequate information support.

Faculty has the library and the study room and provides a seat for each student in amphitheatres, classrooms and laboratories.

Faculty has a short-term and a long-term plan and the budget for the realization of scientific and research work.

Means for the realization of Doctoral studies, besides the ones provided by the resource ministries, are also provided in cooperation with other higher education institutions, accredited scientific institutions and international organizations.

Faculty provides students to utilize equipment or have access to necessary and adequate equipment in the possession of the Faculty, for scientific and research work.

Faculty provides students to utilize equipment or have access to the equipment necessary for scientific and research work on the basis of contracts on cooperation with other appropriate institutions.

Standard 11.   Quality Control

Estimation of the study programme quality is elaborated regularly and systematically via self-evaluation and external quality control. One should place an emphasis on the multi-decade practice of students` surveys.

Study programme quality control is elaborated in the following manners:

- Surveying students at final lecture from the given course.
- Surveying students on the quality of the study programme and logistic support to the studies in the event of awarding the Diploma. Also, the studying comfort (classroom cleanness and tidiness) is evaluated there.
- Surveying students during the confirmation on completing a year of studies. Then students evaluate the logistic support to the studies.
- Surveying students on enrolling each year of studies. Then students evaluate the study programme at the year they completed in the prior academic year.
- Surveying the teaching and non-teaching staff on the quality of the study programme and the logistic support to the studies. This survey evaluates the work of the Dean`s office, Registrar`s office, library, and other services at the Faculty. Furthermore, the studying comfort (classroom cleanness and tidiness) is also evaluated.

To monitor the quality of the study programme, there is also a committee with all heads of all Departments participating in the realization of the study programme, together with a student from each study group.

Additional quality is obtained by the obligatory scientific production of candidates. Prior to beginning the defence of the Doctoral dissertation, each candidate is obliged to publish at least 2 (two) papers in the R54 rank (following the categorization provided by the Ministry of Science) and at least one paper in the magazine from the SCI list.